

LA-UR-02-2867

*Indexes of the
Proceedings for the
Eleven International
Symposia on Detonation
1951-1998*

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THE PROCEEDINGS
FOR THE ELEVEN INTERNATIONAL
SYMPOSIA ON DETONATION
1951-98***

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The Detonation Symposia

Number	Date	Location
1	11-12 January, 1951	Washington, District of Columbia
2	9-11 February, 1955	Washington, District of Columbia
3	26-28 September, 1960	Princeton, New Jersey
4	12-15 October, 1965	Silver Spring, Maryland, 1st International
5	18-21 August, 1970	Pasadena, California
6	24-27 August, 1976	Coronado, California
7	16-19 June, 1981	Annapolis, Maryland
8	15-19 July, 1985	Albuquerque, New Mexico
9	27 August-1 September, 1989	Portland, Oregon
10	12-16 July, 1993	Boston, Massachusetts
11	30 August-4 September, 1998	Snowmass, Colorado
12	11-16 August, 2002	San Diego, California

Contents

Section	Page
Introduction.....	1
A. Titles Index	3
B. Topic Phrase Index	37
C. Author Index	100
D. Acronym and Code Name Index	118

INDEXES OF THE PROCEEDINGS FOR THE ELEVEN INTERNATIONAL SYMPOSIA ON DETONATION, 1951–1998

Blaine W Asay, William E. Deal, John B. Ramsay,
Alita M. Roach, and Bruce E. Takala

ABSTRACT

The *Proceedings* of the eleven Detonation Symposia have become the major archival source of information of international research in explosive phenomenology, theory, experimental techniques, numerical modeling, and high-rate reaction chemistry. In many cases, they contain the original reference or the only reference to major progress in the field. For some papers, the information is more complete than the complementary article appearing in a formal journal; yet for others, authors elected to publish only an abstract in the *Proceedings*. For the large majority of papers, the Symposia *Proceedings* provide the only published reference to a body of work. This report indexes the eleven existing *Proceedings* of the Detonation Symposia by paper titles, topic phrases, authors, and first appearance of acronyms and code names.

INTRODUCTION

The indexes comprise four parts: (A) a listing of the paper titles and authors in order of appearance in each Symposium *Proceedings*, (B) an alphabetical listing of topic phrases, (C) an index of all authors, and (D) an index to first appearance of acronyms and code names of compositions and components that are defined.

Each index also lists the Symposium number and page number of the reference. These are the actual page numbers of the original *Proceedings* of the Fourth through the Eleventh Symposia. The page numbers shown for the First and Second Symposia are for the single combined volume reprinted by the Detonation Symposium

Committee in 1987 (NSWC MP 87-194), and not the original page numbers. Some confusion also exists for references from the Third Symposium in that it was initially published as three paperback volumes. These were combined into a single hardbound volume, identified by the publisher, The Office of Naval Research, U.S. Navy, as ACR-52. The page numbers used in these Indexes for the Third Symposium are those from this latter publication. If readers find errors in any of the sections, please contact one of the authors.

Along with this printed volume of the "Indexes", we include a CD containing a .pdf version of the complete text suitable for text string searches.

A. TITLES INDEX

In this first index, the chronological order of the papers is preserved, beginning with the First Symposium and the first paper presented. We list the Symposium number, page number, paper title, co-authors, and nation of the first author.

B. TOPIC PHRASE INDEX

Here we list topic phrases alphabetically with reference to the Symposium number and page number. We considered using key words, which are cryptic and more mnemonic, rather than the longer and more descriptive topic phrases, but we decided on the latter because they provide more information for selecting the correct reference. The compilers have used their own judgment in selecting and defining the topic phrases and hope that the phrases are self-explanatory. At the present time, a significant cross-referencing capability is lacking within the index, and users are cautioned to check several different possible topics when searching.

C. AUTHOR INDEX

This index is a simple listing of all authors, giving the Symposium number and page number references. All except family names were contracted to initials. We have attempted to combine different presentations of an author's name (e.g., J. Ramsay and J.B. Ramsay) into a uniform entry.

D. ACRONYM AND CODE NAME INDEX

This index is an attempt to cite the *first use* of an acronym or code name for neat explosives, ingredients, and formulations, for which a definition of the term is also provided. The names of

some explosive compositions that were "known to everyone" in 1950 are no longer in common usage, particularly within the international community. For example, the names MEDINA and DINA were used in at least one instance with no recognized chemical name or formula given. Rather interestingly, no definition of RDX was located within the *Proceedings* until the Fifth Symposium.

Many explosive compounds and compositions are named as a contraction of the chemical name (e.g., TNT); for others, the history of the name is lost in research laboratories (e.g. HMX**); and others have no relationship to the composition (e.g., X-0290).

A large number of papers within the Symposia *Proceedings* refer to compositions only by acronym or code name, with no formal definition of composition. Composition B (Comp B) is cited in many papers, yet at least 10 citations for Composition B provide similar, but different, compositions. Also, in some instances, the same explosive compound was defined by three or more different acronyms.

We intended that each citation be the earliest reference within the eleven *Proceedings* to the use of the acronym coupled with a meaningful chemical definition. Errors in finding and entering the citations may have occurred.

** Ray Walker has told JBR that HMX most probably stands for High Melting eXplosive, but Walker has also heard a reasonable statement that the initials may have been derived from Holston Military eXplosive. It does not stand for His Majesty's eXplosive.

A. Titles Index

By Symposium and Page

Sy. Pg	Title, Authors, Country
1.0003	Recent Studies in BURORD, S. Brunauer, USA
1.0009	Recent Work on Detonation at Aberdeen, J.M. Dewey, USA
1.0012	Studies on Detonation Phenomena, F.C. Gibson and C.M. Mason, USA
1.0022	Recent Work at NOL, D. Price, USA
1.0031	Recent Studies at the Naval Ordnance Test Station, J.S. Rinehart, USA
1.0039	Some Recent Studies in Canada, G.R. Walker, Canada
1.0043	Chemical Aspects of Detonation, B. Lewis, USA
1.0045	Nonstationary Detonation Waves in Gases, G.B. Kistiakowsky, USA
1.0052	Duration of the Reaction in a Detonating Explosive, S.J. Jacobs, USA
1.0057	Experiments on the Transition from Deflagration to Detonation, J. Roth, USA
1.0071	Physical Aspects of Detonation, J.G. Kirkwood, USA
1.0072	The Equation of State for Detonation Gases, S.R. Brinkley, USA
1.0079	Convergent Shock Waves, A. Kantrowitz, USA
1.0088	Shock Waves in Solids, J.E. Ablard, USA
1.0093	Interactions of Detonation Waves with Material Boundaries, R.B. Parlin and H. Eyring, USA
1.0105	Problems and Future Developments, G.B. Kistiakowsky, USA
1.0107	Theoretical Developments in Detonation, J.G. Kirkwood, USA
2.0119	Charge Preparation for Precise Detonation Velocity Studies, E. James, USA
2.0136	Technique for the Measurement of Detonation Velocity, A.W. Campbell, M.E. Malin, T.J. Boyd, and J.A. Hull, USA
2.0151	A Microwave Technique for Measuring Detonation Velocities, T.J. Boyd, P. Fagan, USA
2.0157	Measurement of Detonation Temperatures, F.C. Gibson, M. Bowser, C.R. Summers, F.H. Scott, J.C. Cooper, and C.M. Mason, USA
2.0168	A New Cine Microscope and its Application to Detonation Phenomena, J.S. Courtney-Pratt, UK
2.0187	The Measurement of Density Changes in Gaseous Detonations, G.B. Kistiakowsky, and P.H. Kydd, USA
2.0198	The Attainment of Thermodynamic Equilibrium in Detonation Waves, G.B. Kistiakowsky and W.G. Zinman, USA
2.0216	On the Structure of a Detonation Wave, W.R. Gilkerson and N. Davidson, USA
2.0231	High Temperature Thermodynamic and Gaseous Detonations in Mixtures of Cyanogen, Oxygen, and Nitrogen, H.M. Peek and R.G. Thrap, USA
2.0251	Detonation in Gases at Low Pressure, A.L. Bennet and H.W. Wedaa, USA
2.0266	Measurements on Gaseous Detonation Waves, J.A. Nicholls, R.B. Morrison, and R.E. Cullen, USA
2.0281	Studies on Gaseous Detonation, B. Greifer, F.C. Gibson, and C.M. Mason, USA
2.0295	Condensation Shocks and Weak Detonations, S.G. Reed, and W.H. Heybey, USA
2.0312	The Structure of a Steady-State Plane Detonation Wave with Finite Reaction Rate, J.G. Kirkwood and W.W. Wood, USA
2.0327	The Measurement of Chapman-Jouguet Pressure for Explosives, W.E. Deal, USA
2.0343	Measurement of the Chapman-Jouguet Pressure and Reaction Zone Length in a Detonating High Explosive, R.E. Duff and E. Houston, USA
2.0358	The Detonation Zone in Condensed Explosives, H.D. Mallory and S.J. Jacobs, USA
2.0383	Calculation of the Detonation Properties of Solid Explosives with the Kistiakowsky-Wilson Equation of State, W. Fickett and R.D. Cowan, USA
2.0404	A Solid-State Model for Detonations, R.B. Parlin and J.C. Giddings, USA
2.0424	Diameter Effect in Condensed Explosives. The Relation Between Velocity and Radius of Curvature of the Detonation Wave, W.W. Wood and J.G. Kirkwood, USA
2.0439	The Detonation Behavior of Liquid TNT, E.A. Igel and L.B. Seely, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
2.0454	Detonation in Homogeneous Explosives, A.W. Campbell, M.E. Malin, and T.E. Holland, USA
2.0478	Particle Size Effects in One- and Two-Component Explosives, M.E. Malin, A.W. Campbell, and C.W. Mautz, USA
2.0500	Detonation Wave Fronts in Ideal and Non-Ideal Detonation, M.A. Cook, USA
2.0519	Determination of Reaction Rate of Sodium Nitrate and the Equation of State of 50/50 TNT-NaNO ₃ , M.A. Cook and W.O. Ursenbach, USA
2.0529	The Decomposition of Alpha-Lead Azide, J.M. Grocock, UK
2.0547	The Detonation of Azides by Light, J.S. Courtney-Pratt and G.T. Rogers, UK
2.0561	Detonation in Azides when the Dimensions Are Comparable with the Length of the Reaction Zone, F.P. Bowden and A.C. McLaren, UK
2.0571	Origin of Luminosity in Detonation Waves, E. Jones, UK
2.0582	The Role of Gas Pockets in the Propagation of Low Velocity Detonation, O.A.J. Gurton, UK
2.0601	Sensitiveness to Detonation, E. Jones and I.G. Cumming, UK
2.0612	Initiation of Military Explosives by Projectile Impact, J.M. Dewey, USA
2.0620	Factors Affecting the Transmission of Detonation Between Small Explosive Charges, I.D. Hampton, J. Savitt, L.E. Starr, and R.H.F. Stresau, USA
2.0643	The Correlation of the Sensitiveness of Explosives with Combustion Data, E.G. Whitbread and L.A. Wiseman, UK
2.0695	Problems of Initiation in Tests of Sensitiveness, E.G. Whitbread, UK
2.0711	Lead Azide Precipitated with Polyvinyl Alcohol, T.G. Blake, D.E. Seegar, and R.H.F. Stresau, USA
2.0733	Thermo-Hydrodynamics and the Reaction Kinetics in Some Metalized Explosives, M.A. Cook, A.S. Filler, R.T. Keyes, W.S. Partridge, and W.O. Ursenbach, USA
2.0749	Conditions Behind the Reaction Zone of Confined Columns of Explosive--Notions Derived from Plate Dent Experiments, W.M. Slie and R.H.F. Stresau, USA
3.0001	A Colliding Ball High Explosive Impact Sensitivity Testing Machine, C.M. Bean, G.P. Cachia, and J. Kirkham, UK
3.0010	A Photographic Study of Explosions Initiated by Impact, J. Wenograd, USA
3.0024	Pure Environmental Shock Testing of Condensed Phases, T.A. Erikson, USA
3.0042	On the Memory Effect in the Thermal Initiation of Explosives, W.R. Hess, and R.C. Ling, USA
3.0050	The Thermal Decomposition of [Co(NH ₃) ₆](N ₃) ₃ , T.B. Joyner, and F.H. Verhoek, USA
3.0060	The Behavior of Explosives at Very High Temperatures, J. Wenograd, USA
3.0077	The Rapid Burning of Secondary Explosives by a Convective Mechanism, J.W. Taylor, UK
3.0088	Electrical Initiation of RDX, G.M. Muller, D.B. Moore, and D. Bernstein, USA
3.0112	Detonation Studies in Electric and Magnetic Fields, F.E. Allison, USA
3.0120	Electrical Measurements in Detonating Pentolite and Composition B, R.L. Jameson, USA
3.0139	On the Electrical Conductivity of Detonating High Explosives, B. Hayes, USA
3.0150	Ionization in the Shock Initiation of Detonation, R.B. Clay, M.A. Cook, R.T. Keyes, O.K. Shupe, and L.L. Udy, USA
3.0184	Chemical Factors in External Detonation-Generated Plasmas, M.A. Cook and A.G. Funk, USA
3.0202	Detonation Plasma, R.T. Keyes, E.L. Kendrew, and E.G. Whitbread, UK
3.0205	Energy Transfer to a Rigid Piston under Detonation Loading, A.K. Aziz, H. Hurwitz, and H.M. Sternberg, USA
3.0226	A Computer Program for the Analysis of Transient Axially Symmetric Explosion and Shock Dynamics Problems, T. Orlow, D. Piacesi, and H.M. Sternberg, USA
3.0241	Pressure Profiles in Detonating Solid Explosive, G.E. Hauver, USA
3.0253	Decay of Explosively-Induced Shock Waves in Solids and Spallings of Aluminum, J.O. Erkman, USA
3.0267	Effects of Boundary Rarefactions on Impulse Delivered by Explosive Charge, B.C. Taylor, USA
3.0285	Experimental Determination of Stresses Generated by an Electric Detonator, J.S. Rinehart, USA
3.0304	Comments on Hypervelocity Wave Phenomena in Condensed Explosives, R.F. Chaiken, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
3.0309	Nonideal Detonation of Ammonium Nitrate-Fuel Mixtures, L.D. Sadwin, R.H.F. Stresau, and J. Savitt, USA
3.0327	The Detonation Velocity of Pressed TNT, M.J. Urizar, E. James, and L.C. Smith, USA
3.0357	Measurement of Detonation, Shock, and Impact Pressures, R.T. Keyes, and W.O. Ursenbach, USA
3.0386	Low Pressure Points on the Isentropes of Several High Explosives, W.E. Deal, USA
3.0396	Strong Shocks in Porous Media, J.L. Austing, H.S. Napadensky, R.H.F. Stresau, and J. Savitt, USA
3.0420	The Behavior of Explosives at Impulsively Induced High Rates of Strain, H.S. Napadensky, R.H.F. Stresau, and J. Savitt, USA
3.0436	Initiation and Growth of Detonation in Liquid Explosives, F.C. Gibson, C.R. Summers, C.M. Mason, and R.W. Van Dolah, USA
3.0455	Initiation Characteristics of Mildly Confined, Bubble-Free Nitroglycerine, C.H. Winning, USA
3.0469	Shock Initiation of Detonation in Liquid Explosives, A.W. Campbell, W.C. Davis, and J.R. Travis, USA
3.0499	Shock Initiation of Solid Explosives, A.W. Campbell, W.C. Davis, J.B. Ramsay, and J.R. Travis, USA
3.0520	Shock Induced Sympathetic Detonation in Solid Explosive Charges, M. Sultanoff, V.M. Boyle, and J. Paszek, USA
3.0534	Growth of Detonation from an Initiating Shock, J.W. Enig, USA
3.0562	Initiation of a Low-Density PETN Pressing by a Plane Shock Wave, G.E. Seay and L.B. Seely, USA
3.0574	The Transition from Shock Wave to Detonation in 60/40 RDX/TNT, E.L. Kendrew and E.G. Whitbread, USA
3.0584	Determination of the Shock Pressure Required to Initiate Detonation of an Acceptor in the Shock Sensitivity Test, I. Jaffe, R. Beauregard, and A.B. Amster, USA
3.0606	A Computational Treatment of the Transition from Deflagration to Detonation in Solids, C.T. Zovko and A. Macek, USA
3.0635	A Method of Determination of Detonability of Propellants and Explosives, S. Wachtell and C.E. McKnight, USA
3.0659	Sensitiveness Testing and its Relation to the Properties of Explosives, E.G. Whitbread, UK
3.0671	Sensitivity Relationships, M.J. Kamlet, USA
3.0693	A Statistical Correlation of Impact Sensitivity with Oxygen Balance for Secondary Explosives, J. Alster, USA
3.0706	The Electric-Spark Initiation of Mixtures of High Explosives and Powdered Electrical Conductors, T.P. Liddiard and B.E. Drimmer, USA
3.0721	Detonation and Shock Review, M.L. Wilkins, USA
3.0725	Detonation Performance Calculations Using the Kistiakowsky-Wilson Equation of State, C.L. Mader, USA
3.0738	Energy Release from Chemical Systems, J.W. Kury, G.D. Dorough, and R.E. Sharples, USA
3.0761	The Detonation Properties of (1,3-Diamino, 2,4,6-Trinitrobenzene), N.L. Coleburn, B.E. Drimmer, and T.P. Liddiard, USA
3.0784	Non-Steady Detonation - A Review of Past Work, S.J. Jacobs, USA
3.0813	The Shock Initiation of Detonation in Liquid Explosives, W.A. Gey and K. Kinaga, USA
3.0822	Sensitivity of Propellants, W.W. Brandon and K.F. Ockert, USA
3.0833	Some Studies on the Shock Initiation of Explosives, E.N. Clark and F.R. Schwartz, USA
3.0842	The Influence of Energy on the Decomposition of the Transition from Initiation to Detonation, Z.V. Harvalik, USA
4.0003	Metal Acceleration by Chemical Explosive, J.W. Kury, H.C. Hornig, E.L. Lee, J.L. McDonnel, D.L. Ornellas, M. Finger, F.M. Strange, and M.L. Wilkins, USA
4.0014	The Motion of Plates and Cylinders Driven by Detonation Waves at Tangential Angles, N.E. Hoskin, J.W.S. Allan, W.A. Bailey, J.W. Lethaby, and I.C. Skidmore, UK
4.0027	The Chapman-Jouguet Isentrope and the Underwater Shock Wave Performance of Pentolite, W.A. Walker and H.M. Sternberg, USA
4.0039	Detonation of a Cylindrical Charge-Study of the Flow of Burned Gases, C. Fauquignon, M. Prouteau, and G. Verdes, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
4.0047	The Equation of State of Detonation Products Behind Overdriven Detonation Waves in Composition B, I.C. Skidmore and S. Hart, UK
4.0052	An Equation of State of Detonation Products at Pressure below 30 Kilobars, J.W.S. Allan and B.D. Lambourn, UK
4.0067	Structure, Chemistry, and Instability of Detonation in Gases, G.L. Schott, USA
4.0078	Theoretical Considerations on the Propagation of Shock and Detonation Waves, R. Cheret, France
4.0084	Failure of the Chapman-Jouguet Theory for Liquid and Solid Explosives (Abstract Only), W.C. Davis, B.G. Craig, and J.B. Ramsay, USA
4.0086	Radius of Curvature Effect on Detonation Velocity, L.G. Green and E. James, USA
4.0092	Lateral Shock Pressure Measurements at an Explosive Column, L.D. Sadwin and N.M. Junk, USA
4.0096	Studies on the Diameter-Dependence of Detonation Velocity in Solid Composite Propellants: I. Attempts to Calculate Reaction-Zone Thickness, M.L. Pandow, K.F. Ockert, and H.M. Shuey, USA
4.0102	Studies of the Diameter-Dependence of Detonation Velocity in Solid Composite Propellants: II. Prediction of Failure Diameter, M.L. Pandow, K.F. Ockert, and T.H. Pratt, USA
4.0107	Non-Ideal Detonation with Constant Lateral Expansion, F. Wecken, France
4.0117	Detonations in Liquid Explosives - The Low Velocity Regime, R.W. Watson, C.R. Summers, F.C. Gibson, R.W. Van Dolah, USA
4.0126	Detonation of Nitromethane-Tetranitromethane Mixtures: Low and High Velocity Waves, A.B. Amster, D.M. McEachern, and Z. Pressman, USA
4.0135	Observation and Study of the Conditions for the Formation of Mach Detonation Waves, J.P. Argous, C. Peyre, and J. Thouvenin, France
4.0142	Mach Interaction of Two Plane Detonation Waves, B.D. Lambourn and P.W. Wright, UK
4.0153	Interaction of Oblique Detonation Waves with Iron (Abstract Only), H.M. Sternberg and D. Piacesi, USA
4.0154	Interactions of Detonation Waves in Condensed Explosives (Abstract Only), S.D. Gardner and J. Wackerle, USA
4.0156	Axial Initiation of Multi-Component Explosives Charges, L. Deffet and C. Fosse, Belgium
4.0167	A Detonation Calorimeter and the Heat of Products of Detonation of Pentaerythritol Tetranitrate (PETN) (Abstract Only), D.L. Ornellas, J.H. Carpenter and S.R. Gunn, USA
4.0168	Anomalous Isentrope Results Obtained with the RUBY Computer Program, J. Hershkowitz, USA
4.0176	Front and Mass Velocity at Detonation in Evacuated Chambers, M. Lundborg, Sweden
4.0179	Detonation Limits in Condensed Explosives, W.E. Gordon, USA
4.0198	Summary of Papers on Condensed Phase Detonation, R.E. Duff, USA
4.0205	Evaluation of the Grüneisen Parameter for Compressed Substances: I. Metals, W.H. Andersen, USA
4.0213	The Equation of State of 1060 Aluminum from Shock Wave Measurements (Abstract Only), G.D. Anderson, A.L. Fahrenbruch, and G.R. Fowles, USA
4.0214	The Compression of Polymethyl Methacrylate by Low Amplitude Shock Waves, T.P. Liddiard, USA
4.0222	Shock Wave Compression of Plexiglas from 3 to 20 Kilobars, W.J. Halpin and R.A. Graham, USA
4.0233	Analysis of Shock Wave and Initiation Data for Solid Explosives, J.B. Ramsay and A. Popolato, USA
4.0239	Low-Pressure Hugoniot of Solid Explosives (Abstract Only), R.J. Wasley and J.F. O'Brien, USA
4.0240	The Unreacted Hugoniot Equations of State of Several Explosives (Abstract Only), N.L. Coleburn and T.P. Liddiard, USA
4.0241	Determination of Shock Hugoniot for Several Condensed Phase Explosives, V. Boyle, R.L. Jameson, and M. Sultanoff, USA
4.0248	Shock Induced Phase Transitions, G. E. Duvall and Y. Horie, USA
4.0258	Effect of a Shock Wave on a Porous Solid, J. Thouvenin, France
4.0266	Shock Behavior of Some Non-Reacting Porous Solids, J.R. Rempel and D.N. Schmidt, USA
4.0277	Elastoplastic Effects in the Attenuation of Shock Waves, J.O. Erkman, USA
4.0289	Hydrodynamic Elastic Plastic Theory and Plane Shock Waves in Metals: I. Theory (Abstract Only), J.C. Pearson, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
4.0290	The Elasto-Plastic Release Behavior of Magnesium at 80 kb, P.J.A. Fuller and J.H. Price, UK
4.0295	The Influence of Mechanical Properties on Wave Propagation in Elastic-Plastic Materials, B.M. Butcher and D.E. Munson, USA
4.0305	The Instability of an Interface Between Two Fluids under Variable Normal Acceleration, I.G. Cameron and H.H.M. Pike, UK
4.0316	Calculation of the Growth of Interface Instabilities by a Lagrangian Mesh Method, L.A. Elliot, UK
4.0321	Shock Wave Research on Inert Solids, W.E. Deal, USA
4.0349	The Effect of Interstitial Gas on the Shock Sensitivity of Low Density Explosive Compacts, M.C. Chick, UK
4.0359	Shock Initiation of Low-Density Pressings of Ammonium Perchlorate, M.W. Evans, B.O. Reese, and L.B. Seely, USA
4.0373	Initiation of a Solid Explosive by a Short-Duration Shock, E.F. Gittings, USA
4.0381	Oblique Impact of a Layer of Explosive by a Metal Plate, F. David, C. Fauquignon, H. Bernier, and J. Potau, France
4.0386	Experimental Observations of Initiation of Nitromethane by Shock Interactions at Discontinuities, J.R. Travis, USA
4.0394	Initiation of Detonation by the Interaction of Shock with Density Discontinuities (Abstract Only), C.L. Mader, USA
4.0395	An Equation of State and Derived Shock Initiation Criticality Conditions for Liquid Explosives (Abstract Only), J.W. Enig and F.J. Petrone, USA
4.0399	The Effect of Wax on the Shock Sensitivity of Explosive Compacts, J. Eadie, UK
4.0404	Direct Contact Detonation Sensitivity, J. Savitt, Capt. N. Leone, and C. Kyselka, USA
4.0412	The Effect of Physical and Chemical Properties on the Sensitivity of Liquid Explosives, J.E. Hay, J. Ribovich, F.H. Scott, and F.C. Gibson, USA
4.0426	Retonation Caused by the Reflection of Divergent Waves, W.R. Marlow, UK
4.0432	Comparison Between Shooting and Barrier Tests, N. Lundborg, Sweden
4.0435	The Initiation Properties of Boosters in Explosives with Low Sensitivity, C.H. Johansson and T. Sjolín, Sweden
4.0442	Size Factors in Detonation Transfer, R.H.F. Stresau, USA
4.0449	Confinement Effects in Exploding Bridgewire Initiation of Detonation, R.H.F. Stresau, R.M. Hillyer, and J.E. Kennedy, USA
4.0461	Surface Rate Processes and Sensitivity of High Explosives (Abstract Only), R.F. Chaiken and F.J. Cheselske, USA
4.0462	Low Order Reactions in Shocked Explosive, N. Griffiths and V.C. Broom, UK
4.0473	Initiation of Explosives by Low Velocity Impact, H.S. Napadensky, USA
4.0477	Further Studies on the Ignition of Explosives, L.G. Green and G.D. Dorough, USA
4.0487	The Initiation of Burning in High Explosives by Shock Waves, T.P. Liddiard, USA
4.0496	Mechanical and Detonation Properties of Rubber Bonded Sheet Explosives, W. Kegler and R. Schall, France
4.0502	Explicit Solutions for Unsteady Shock Propagation in Chemically Reacting Media, G.K. Adams and M. Cowperthwaite, UK
4.0512	Summary Paper on Initiation, Ignition and Growth of Reaction, G.P. Cachia, UK
4.0519	The Use of One- and Two-Dimensional Hydrodynamic Machine Calculations in High Explosive Research, M.L. Wilkins, USA
4.0527	Calculation of Unsteady 2-D Flows by Various Numerical Methods, A. Vidart, P. Beatrix, Y. Chevalier, and H. Bouchon, France
4.0538	The Calculation of Hydrodynamic Behavior of Plane One Dimensional Explosive/Metal Systems, B.D. Lambourn and J.E. Hartley, UK
4.0555	A Method for the Study of Properties of Solid Explosives and Other Solid (Including Porous) Materials when Subjected to Shock Waves, W.L. Murry and J. Plant, UK

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
4.0566	Experimental Method for the Analysis of the Structure of a Shock Wave in a Solid, C. Peyre, J. Pujol, and J. Thouvenin, France
4.0573	A Technique for the Precise Measurement of the Motion of a Plane Free Surface, G. Eden and P.W. Wright, UK
4.0584	A Microwave Technique for Studying Detonation Phenomena, E.G. Johnson, USA
4.0595	On Electrical Conductivity in Detonation Products, B. Hayes, USA
4.0602	A Technique for Detailed Time-Resolved Radiation Measurements in the Reaction Zone of Condensed Explosives, P. -A. Persson, B. Andersson, and S.O. Stahl, Sweden
4.0609	Electrical Transducer Studies of Initiation of Liquid Explosives, J.R. Travis, USA
4.0616	Electrical Probe Technique for Measurement of Detonation and Deflagration Velocities, L.D. Pitts, USA
4.0627	Anomalous Thermoelectric Effect in the Shock Regime and Application to a Shock Pressure Transducer, J. Crosnier, J. Jacquesson, and A. Migault, France
4.0639	PHERMEX Applications to Studies of Detonation Waves and Shock Waves, D. Venable and T.J. Boyd, USA
5.0003	Flash X-Ray Observation of Marked Mass Points in Explosive Products, W.C. Rivard, D. Venable, W. Fickett, and W.C. Davis, USA
5.0013	Pressure Measurements for Composition B-3, W.C. Davis and D. Venable, USA
5.0031	Divergent Spherical Detonation Waves in a Solid Explosive, R. Cheret and G. Verdes, France
5.0034	Shock Velocity Measurements in Inert Monitors Placed on Several Explosives, R.L. Jameson and A. Hawkins, USA
5.0041	A Comparison of Spherical, Cylindrical and Plane Detonation Velocities in Some Condensed and Gaseous Explosives, C. Brochet, J. Brossard, N. Manson, R. Cheret, and G. Verdes, France
5.0047	Detonation Characteristics of Very Low Density Explosive Systems, J.L. Austing, A.J. Tulis, and C.D. Johnson, USA
5.0059	An Analysis of the "Aquarium Technique" as a Precision Detonation Pressure Measurement Gage, J.K. Rigdon and I.B. Akst, USA
5.0067	Effects of Precompression upon the Detonation Properties of Liquid and Solid Explosives, W.H. Andersen, L. Zernow, A.L. Mottet, and R.R. Randall, USA
5.0081	The Stability of Low-Velocity Detonation Waves, R.W. Watson, J. Ribovich, J.E. Hay, and R.W. Van Dolah, USA
5.0089	Failure Diameter, Sensitivity and Wave Structure in Some Bis-Difluoroamino Alkanes, L.B. Seely, J.G. Berke, R. Shaw, D. Tegg, and M.W. Evans, USA
5.0099	The Failure Diameter Theory of Dremin, J.W. Enig and F.J. Petrone, USA
5.0105	Wall Traces of Detonation in Nitromethane-Acetone Mixtures, P.A. Urtiew and A.S. Kusabov, USA
5.0115	A Photographic Technique for Mapping Failure Waves and Other Instability Phenomena in Liquid Explosives Detonation, P. -A. Persson and G. Bjarnholt, Sweden
5.0119	On the Dynamics of Shock Interactions, A.K. Oppenheim, J.J. Smolen, D. Kwak, and P.A. Urtiew, USA
5.0137	Metal Acceleration by Composite Explosives, M. Finger, H.C. Hornig, E.L. Lee, and J.W. Kury, USA
5.0153	Light Emission during Initiation of Liquid Explosives, P. -A. Persson, and T. Sjolín, Sweden
5.0169	Dark Waves in Liquid Explosive Systems: Their Role in Detonation Failure, R.W. Watson, USA
5.0177	Numerical Calculations of Detonation Failure and Shock Initiation, C.L. Mader, USA
5.0185	The Role of the Matrix in Determining the Shock Initiation Characteristics of Compositions Containing 60% by Volume of HMX, W.W. Marshall, UK
5.0191	Effect of Pulse Duration on the Impact Sensitivity of Solid Explosives, B.D. Trott and R.G. Jung, USA
5.0207	Shock Sensitivity, a Property of Many Aspects, D. Price, USA
5.0219	Shock Sensitivity and Shock Hugoniot of High-Density Granular Explosives, J. Roth, USA
5.0231	Experimental Study of the Transition from Burning to Detonation, J. Calzia, and H. Carabin, France
5.0237	Shock Initiation of Nitromethane, Methyl Nitrite, and Some Bis Difluoro Alkanes, J.G. Berke, R. Shaw, and L.B. Seely, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
5.0247	The Role of Interstitial Gas in the Detonation Build-up Characteristics of Low Density Granular HMX, W.W. Marshall, UK
5.0251	The Shock Hugoniot of Unreacted Explosives, V.M. Boyle, W.G. Smothers, and L.H. Ervin, USA
5.0259	Effect of Particle Size on Shock Initiation of PETN, RDX, and Tetryl, C.L. Scott, USA
5.0267	Explosive Behavior of Methylnitrate and its Mixtures with Liquid Diluents, M. Kusakabe and S. Fujiwara, Japan
5.0279	The Thermal Initiation and Growth of Reaction in Secondary Explosives under Transient Confinement, K. Beedham, A.S. Dyer, and W.I. Holmes, UK
5.0291	Initiation of Detonation by Friction on a High Explosive Charge, A.S. Dyer and J.W. Taylor, UK
5.0301	Deflagration in Single Crystals of Lead Azide, M.M. Chaudhri and J.E. Field, UK
5.0311	The Influence of Surface Melting of Crystals on the Burning of Solid Explosive under Rising Pressure Conditions (Abstract Only), J.W. Taylor, UK
5.0313	Deformation of a Cylinder of Explosive Material in Unconfined Impact, H.S. Napadensky, T.V. Eichler, C.A. Kot, and T.A. Zaker, USA
5.0321	Decomposition of a Shocked Solid Explosive, B.G. Craig and E.F. Marshall, USA
5.0331	Thermal Decomposition of High Explosives at Static Pressure 10-50 Kilobars, E.L. Lee, R.H. Sanborn, and H.D. Stromberg, USA
5.0339	Experimental Observations of Initiation of Primary Explosives by a Hot Wire, H.S. Leopold, USA
5.0351	Equation-of-State Investigation of Granular Explosives Using a Pulsed Electron Beam, J.H. Shea, A. Mazzella, and L. Avrami, USA
5.0361	Creation of an Intense Shock in Solid Deuterium by a Pulsed Laser Beam, C. Fauquignon, France
5.0369	Quartz Gauge Technique for Impact Experiments, G.E. Ingram and R.A. Graham, USA
5.0387	Shock-Induced Electrical Signals from Dielectrics, G.E. Hauver, USA
5.0399	The Mechanism of Electrical Conductivity of Liquid Dielectrics in Shock Waves, A.N. Dremin and V.V. Yakushev, USSR
5.0403	Electrical Effect of Bimetallic and Metal Semiconductor Junctions Under Shock, J. Jacquesson, J.P. Romain, M. Hallouin, and J.C. Desoyer, France
5.0413	Experimental Study of the Electromagnetic Velocity-Gage Technique, S.J. Jacobs and D.J. Edwards, USA
5.0427	Determination of Constitutive Relationships with Multiple Gages in Non-Divergent Waves, M. Cowperthwaite and R.F. Williams, USA
5.0429	Shock-Induced Electrical Polarization of a Solid Explosive, J. Morvan and H. Pujols, France
5.0435	Quartz Gauge Study of Upstream Reaction in a Shocked Explosive, J.E. Kennedy, USA
5.0447	Measurement of Mass Motion in Detonation Products by an Axially-Symmetric Electromagnetic Technique, B. Hayes and J.N. Fritz, USA
5.0457	Explosive Deflection of a Liner as a Diagnostic of Detonation Flows, M. Defourneaux and L. Jacques, France
5.0467	Elastic-Plastic Behavior of Porous Beryllium, G. Eden and C.P.M. Smith, UK
5.0477	Numerical Analysis of a Diverging Shock Wave in Plexiglas Cylinders, M. Kamegai and J.O. Erkman, USA
5.0487	A Code Method for Calculating Hydrodynamic Motion in HE Detonations, C.E. Needham, USA
5.0493	A Realistic Approach for Describing the Explosion-Generated Axi-Symmetric Wave Propagating in a Half-Space, A. Sakurai, USA
5.0501	The Computation of General Problems in One Dimensional Unsteady Flow by the Method of Characteristics (Abstract Only), B.D. Lambourn and N.E. Hoskin, UK
5.0503	Equation of State of Detonation Products, H.C. Hornig, E.L. Lee, M. Finger, and J.E. Kurlle, USA
5.0513	Optical Properties of Detonation Waves (Optics of Explosives), M. Busco, Italy
5.0523	Hydrodynamic Behavior and Equation of State of Detonation Products Below the Chapman-Jouguet State, L.A. Roslund and N.L. Coleburn, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
5.0533	Shocked States of Four Overdriven Explosives, J.H. Kineke and C.E. West, USA
5.0547	Vaporization of Uranium after Shock Loading, P. de Beaumont and J. Leygonie, France
5.0559	Observations of Detonation in a High Vacuum, J.E. Hay, W.C. Peters, and R.W. Watson, USA
5.0567	Plane Spalling of Copper, F. David, J. Vacellier, F. Prouteau, J. Legrand, and R. Cheret, France
5.0573	Spalling under Oblique Impact, I.C. Skidmore and J.W. Lethaby, UK
5.0581	Interactions of Spherical Shock Waves in Water, N.L. Coleburn and L.A. Roslund, USA
5.0589	The Speed of Propagation of Release Waves in Polymethyl Methacrylate, K.W. Schuler, USA
5.0597	Artificial Viscosity Method Calculation of an Underwater Detonation, H.M. Sternberg and W.A. Walker, USA
5.0599	Spherical Explosions in Water, L.W. Hantel and W.C. Davis, USA
6.0003	Separation of Ignition and Buildup to Detonation in Pressed TNT, B.C. Taylor and L.H. Ervin, USA
6.0011	Shock Initiation and the Critical Energy Concept, P.M. Howe, R.B. Frey, and V.M. Boyle, USA
6.0020	Shock Initiation of High Density PETN, J. Wackerle, J.O. Johnson, and P.M. Halleck, USA
6.0029	On Shock Wave Explosive Decomposition, A.N. Dremin and K.K. Shvedov, USSR
6.0036	Investigation of Some Cast TNT Properties at Low Temperature, V.M. Titov, V.V. Silvestrov, V.V. Kravtsov, and I.A. Stadnitshenko, USSR
6.0047	Modes of Shock Wave Growth in the Initiation of Explosives, J.W. Nunziato, J.E. Kennedy, and D.R. Hardesty, USA
6.0062	Geometrical Shock Focusing and Flying Plate Initiation of Solid Explosives, J.Q. Searcy and A.C. Schwarz, USA
6.0068	Critical Conditions for Shock Initiation of Detonation in Real Systems, R.H.F. Stresau and J.E. Kennedy, USA
6.0076	A P ⁿ t Detonation Criterion from Thermal Explosion Theory, D.B. Hayes, USA
6.0105	Initiation of Several Condensed Explosives by a Given Duration Shock Wave, Y. de Longueville, C. Fauquignon, and H. Moulard, France
6.0115	Initiation of Detonation in Insensitive Liquid Explosives by Low-Amplitude Compression Waves, J.E. Hay and R.W. Watson, USA
6.0124	Cellular Structure of Detonation in Nitromethane Containing Aluminum Particles, Y. Kato and C. Brochet, France
6.0133	Effects of Liquid Diluents on Detonation Propagation in Nitromethane, M. Kusakabe and S. Fujiwara, Japan
6.0143	Shock-Induced Electrical Polarization of Homogeneous Explosives, A.N. Dremin, A.G. Antipenko, and V.V. Yakushev, USSR
6.0151	Some Applications of the Electrical Junction Effect in Experimental Shock Studies, J.P. Romain and J. Jacquesson, France
6.0162	The JCZ Equations of State for Detonation Products and Their Incorporation in the TIGER Code, M. Cowperthwaite and W.H. Zwisler, USA
6.0173	Sympathetic Detonation of Ammonium Perchlorate by Small Amounts of Nitroguanidine, A.J. Tulis, USA
6.0183	Further Studies on the Detonation Characteristics of Very Low Density Explosive Systems, A.J. Tulis and J.L. Austing, USA
6.0195	Deflagration Rate of Composite High Explosive and Composite Propellants at Pressures Above 1 Kilobar, P. Benhaim and J. Goliger, France
6.0204	Effects of Confinement and Initial Pressure on the Deflagration of Some High Explosives, O. Listh, Sweden
6.0214	The Thermal Decomposition and Reaction of Confined Explosive, E. Catalano, D.L. Ornellas, E. Wrenn, E.L. Lee, J. Walton, and R.R. Mcguire, USA
6.0225	Retarded Detonation, M. Held, D. Ludwig, and P. Nikowitsch, West Germany (FRG)
6.0231	Deflagration to Detonation Transition Studies for Two Potential Isometric Cast Primary Explosives, C.M. Tarver, T.C. Goodale, R. Shaw, and M. Cowperthwaite, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
6.0250	On the Mechanism of Deflagration to Detonation Transition in Gas-Permeable High Explosive, A.A. Sulimov, B.S. Ermolaev, A.A. Borisov, A.I. Korotkov, B.A. Khasainov, and V.E. Khrapovsky, USSR
6.0258	A Comparison of Model Predictions and Experimental Results of DDT Tests, D.T. Pilcher, L.W. Christensen, M.W. Becksted, and A.J. King, USA
6.0267	Shocks Retardation and Presence of Cracks in Materials, B.M. Belgaumkar, India
6.0272	Sensitivity of Explosive Substances, a Multivariate Approach, S. Ek, Sweden
6.0281	Instability of Heterogeneous Deflagration Waves, L. de Luca, Italy
6.0290	The Growth of Reaction in Secondary Explosives under Transient Confinement, G.D. Coley, UK
6.0299	Propellant Detonation Risk Testing, H.J. Pasman, E.E.A. Cruysberg, and T.M. Groothuizen, Netherlands
6.0305	Volume and Pressure Dependence of Some Kinetic Processes in Explosives, D.J. Pastine, M.J. Kamlet, and S.J. Jacobs, USA
6.0312	The Relationship of Impact Sensitivity with Structure of Organic High Explosives: I. Polynitroaliphatic Explosives, M.J. Kamlet, USA
6.0325	Initiation of Violent Reaction by Projectile Impact, R.B. Frey, G. Melani, M. Chawla, and J. Trimble, USA
6.0336	A Numerical Study of Impact Phenomena in Explosives and Propellants, C.A. Kot, A.H. Wiedermann, H.S. Napadensky, and Y.A. Shikari, USA
6.0344	A Kinetic Lattice Approach to Detonation in Heterogeneous Explosives, R.F. Chaiken and J.C. Edwards, USA
6.0352	Perturbation Methods Applied to Problems in Detonation Physics, J.B. Bdzil, USA
6.0371	A Simple Model for the Simulation of the Initiation of Detonation by a Shock Wave in Heterogeneous Explosive, A.A. Schilperoord, Netherlands
6.0379	Chemical Kinetic and Curvature Effects on Shock Wave Evolution in Explosives, P.J. Chen and J.E. Kennedy, USA
6.0389	The Hugoniot and Shock Initiation Threshold of Lead Azide (Abstract Only), F.W. Davies, A.B. Zimmerscheid, F.G. Borgardt, and L. Avrami, USA
6.0390	Electric Field Initiation of Explosive Azides, T. Gora, D.S. Downs, H.D. Fair, and P. Mark, USA
6.0396	Adiabatic Elastic Moduli of Single Crystal Pentaerythritol Tetranitrate (PETN), C.E. Morris, USA
6.0405	Two Dimensional Homogeneous and Heterogeneous Detonation Wave Propagation, C.L. Mader, USA
6.0414	High Resolution Photography of Transverse Wave Effects in the Detonation of Condensed Explosives, P. -A. Persson and G. Persson, Sweden
6.0426	Deflagration to Detonation Transition Behavior of Tetryl, R.R. Bernecker, D. Price, J.O. Erkman, and A.R. Clairmont, USA
6.0439	Improvement of Performance of Composite Explosives Containing Ammonium Nitrate by Physical Synthesis, J. Hershkowitz and I.B. Akst, USA
6.0450	Homogeneous Liquid Explosives Containing Ureaperchlorate, S. Fujiwara, M. Kusakabe, and K. Shiino, Japan
6.0455	A New Explosive for Low Voltage Detonator Applications, W.B. Leslie, R.W. Dietzel, J.Q. Searcy, USA
6.0460	BTX - A Useful High Temperature EBW Detonator Explosive, R.H. Dinegar, L.A. Carlson, and M.D. Coburn, USA
6.0466	Physical, Stability, and Sensitivity Properties of Liquid Explosives, K. Scribner, R.E. Elson, R.R. Fyfe, and J.P. Cramer, USA
6.0477	Dynamic Detection of the Onset of Spalling in Stainless Steel on Comp. B, C.P.M. Smith, G. Eden, and B.D. Lambourn, UK
6.0489	The Critical Angle for Mach Bridge Formation Between Opposing Shock Waves in Polyurethane Foam, R.M. James, P.W.J. Moore, and B.D. Lambourn, UK
6.0502	On Blast Waves in Liquids, M.M. Kamal, G.E. Abouseif, R.H. Guiguiguis, S.A. Farag, and A.K. Oppenheim, Egypt
6.0510	Effects of Aluminum and Lithium Fluoride Admixtures on Metal Acceleration Ability of Comp B, G. Bjarnholt, Sweden

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
6.0521	Acceleration of Spherical Metal Shells by High Explosives: Detonation Velocity Along the Shell Surface and Efficiency of Energy Transfer, H.V. Freund, W. Geiger, and G. Honcia, West Germany (FRG)
6.0528	Calculated Spherical Shock Waves Produced by Condensed Explosives in Air and Water, H.M. Sternberg and H. Hurwitz, USA
6.0540	Explosive Expansion Works in Underwater Detonations, G. Bjarnholt and R. Holmberg, Sweden
6.0551	Optimisation of Explosives for Use Underwater, A.N. Hicks, UK
6.0561	The Effect of Explosive Properties on the Shock Wave Parameters of Underwater Explosions, B.D. Lambourn, UK
6.0570	The Unsteady Regular and Mach Reflection Resulting from the Interaction of Spherical Explosion Shock Waves in Water, J.W. Enig, USA
6.0590	The Problem of Strong Point Explosion in a Combustible Medium, S. Eidelman, Y.M. Timnat, and A. Burcat, Israel
6.0602	Perpendicular Explosive Drive and Oblique Shocks, T.R. Neal, USA
6.0612	Laser Initiation of Insensitive High Explosives, L.C. Yang and V.J. Menichelli, USA
6.0625	Determination of Detonation Pressure Using a Manganin Wire Technique, K. Burrows, D.K. Chilvers, R. Gyton, B.D. Lambourn, and A.A. Wallace, UK
6.0637	Magnetic Probe Measurements of Particle Velocity Profiles, W.C. Davis, USA
6.0642	The Diameter Effect in High-Density Heterogeneous Explosives, R. Engelke and A.W. Campbell, USA
6.0653	Acceleration of Thin Flyers by Exploding Metal Foils: Application to Initiation Studies, R.C. Weingart, R.S. Lee, R.K. Jackson, and N.L. Parker, USA
6.0664	Multiple-Exposure Image Intensifier Camera, O.G. Winslow, W.C. Davis, and W.C. Chiles, USA
6.0668	The Use of a Dual-Delay-Lag Velocity Interferometer with Automatic Data Reduction in a High-Explosive Facility, R.A. Lederer, S.A. Sheffield, A.C. Schwarz, and D.B. Hayes, USA
6.0673	Wide Range Velocity Interferometer, B.T. Amery, UK
6.0682	Assessment Methods of the Impact Ignition Sensitivity of Difficultly-Detonable Explosives, W.H. Andersen and N.A. Louie, USA
6.0691	Shaped Charge Temperature Measurement, W.G. Von Holle and J. Trimble, USA
6.0700	The Hydrostatic Compression of Explosives and Detonation Products to 10 GPa (100 kbars) and Their Calculated Shock Compression: Results for PETN, TATB, CO ₂ and H ₂ O, B. Olinger and H.H. Cady, USA
6.0710	The Effect of Elemental Composition on the Detonation Behavior of Explosives, M. Finger, E.L. Lee, F. H. Helm, B. Hayes, H.C. Hornig, R.R. McGuire, M. Kahara, and M. Guidry, USA
6.0723	Detonation Characteristics of Liquid Nitric Oxide, W.C. Chiles and J.B. Ramsay, USA
6.0729	Characterization of Commercial, Composite Explosives, M. Finger, F.H. Helm, E.L. Lee, H. Cheung, B. Hayes, L. Penn, J. Walton, and R. Boat, USA
6.0740	The Equation of State and Shock Initiation of HNS II, F.W. Davies, J. Shrader, A.B. Zimmerscheid, and J.F. Riley, USA
6.0748	The Equation of State and Chemical Kinetics for Hexanitrostilbene (HNS) Explosive, S.A. Sheffield, D.E. Mitchell, and D.B. Hayes, USA
6.0755	Initiation and Detonation Characteristics of TATB, R.K. Jackson, L.G. Green, R.H. Barlett, W.W. Hofer, P.E. Kramer, R.S. Lee, E.J. Nidick, L.L. Shaw, and R.C. Weingart, USA
6.0766	Computed and Experimental Hugoniot for Unreacted Porous High Explosives, J.O. Erkman and D.J. Edwards, USA
6.0777	The Influence of Inert Cases on Airblast: An Experimental Study, W.S. Filler, USA
6.0786	A Multiple Lagrange Gage Study of the Shock Initiation Process in Cast TNT, M. Cowperthwaite and J.T. Rosenberg, USA
7.0003	Ignition of Solid High Explosive by the Rapid Compression of an Adjacent Gas Layer, J. Starkenberg, USA
7.0017	The Influence of the Dynamic Compressive Strength Properties of HE Formulations on the Growth of Reaction, G.D. Coley and C.E. Whatmore, UK

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
7.0024	Effect of Polymers on the Drop-Weight Sensitiveness of Explosives, G.M. Swallowe and J.E. Field, UK
7.0036	The Initiation of Explosive Charges by Rapid Shear, R.B. Frey, USA
7.0043	Thermal Explosion Hazard of Thin Layers of Gelatine Dynamite, A. Persson and L. Jerberyd, Sweden
7.0050	Electron Beam Initiation of High Explosives, A. Stolovy, J.B. Aviles, E.C. Jones, and A.I. Namenson, USA
7.0056	Chemical Decomposition Models for the Thermal Explosion of Confined HMX, TATB, RDX, and TNT Explosives, R. R. McGuire and C.M. Tarver, USA
7.0065	Molecular Electronic Structure and Initiation of Secondary Explosives, A. Delpuech, J. Cherville, and C. Michaud, France
7.0075	Thermal Decomposition of RDX Below the Melting Point, H.L. Pugh, L.P. Davis, J.S. Wilkes, W.R. Carper, and R.C. Dorey, USA
7.0084	Some Comments Regarding the Sensitivities, Thermal Stabilities, and Explosive Performance Characteristics of Fluorodinitromethyl Compounds, M.J. Kamlet and H.G. Adolph, USA
7.0093	The Role of Excited Electronic States in the Bond-Scission Process in Detonation Reactions, R.D. Bardo, USA
7.0107	Studies on Transition from Deflagration to Detonation in High Explosives at Very Small Diameters, R. Thivet and L.R. Guy, France
7.0119	Deflagration-to-Detonation Transition Studies of Porous Explosive Charges in Plastic Tubes, R.R. Bernecker, H.W. Sandusky, and A.R. Clairmont, USA
7.0139	Deflagration Detonation Transition in Waxed RDX, M. Samirant, France
7.0143	Effects of Igniter and Compaction on DDT Run Up in Plastic Pipes, A.G. Butcher, R.L. Keefe, N.J. Robinson, and M.W. Becksted, USA
7.0151	Experimental Study of Deflagration to Detonation Transition Case of Ammonium Perchlorate, C. Maurin, J.C. Derrien, P. Deneuille, and P. Monteagudo, France
7.0164	Transitions from Laminar Burning for Porous Crystalline Explosives, R.A. Fifer and J.E. Cole, USA
7.0175	Deflagration from an Ignition Site of a Confined Explosive Charge as a Function of Venting by Orifice Flow, J. Hershkowitz, L.M. Chang, and H.E. Hudgins, USA
7.0186	Improved Prediction of Flame Spreading During Convective Burning in Solid Propellant Cracks, S.M. Kovacic, M. Kumar, and K.K. Kuo, USA
7.0198	A Mechanism for the Burning Rate of High Density, Porous Energetic Materials, D.E. Kooker and R.D. Anderson, USA
7.0216	Role of Gas Phase Reactions in Deflagration-to-Detonation Transition, T.L. Boggs, C.F. Price, A.I. Atwood, D.E. Zurn, and R.L. Derr, USA
7.0225	Phenomenology of the Deflagration to Detonation Transition in Propellants and Explosives, M. Cowperthwaite, USA
7.0234	Burning and Detonation, C.A. Forest, USA
7.0247	Nondetonative Explosions in Confined Explosive Charges, R.B. Frey and J. Trimble, USA
7.0256	Delayed Detonation in Propellants from Low Velocity Impact, L.G. Green, E. James, E.L. Lee, E.S. Chambers, C.M. Tarver, C. Westmoreland, A.M. Weston, and B. Brown, USA
7.0265	Delayed Detonation in Card Gap Tests, R.L. Keefe, USA
7.0273	Shock Initiation of Explosives by the Impact of Small Diameter Cylindrical Projectiles, L.G. Green, USA
7.0278	Shock Initiation in Gap Test Configurations, G.C.W. Foan and G.D. Coley, UK
7.0285	Shock Initiation and Subsequent Growth of Reaction in Explosives and Propellants: The Low-Amplitude Shock Initiation Test, LASI, D.G. Tasker, UK
7.0299	An Instrumented Shotgun Facility to Study Impact-Initiated Explosive Reactions, R.C. Jensen, E.J. Blommer, and B. Brown, USA
7.0308	Initiation of Burning and Detonation in Cast H-6 and Cast PBXW-109, T.P. Liddiard and J.W. Forbes, USA
7.0316	Critical Conditions for Shock Initiation of Detonation by Small Projectile Impact, H. Moulard, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
7.0325	The Shock Initiation of Bare and Covered Explosives by Projectile Impact, K.L. Bahl, H.C. Vantine, and R.C. Weingart, USA
7.0336	The Sensitivity to Initiation of HE-Wax Compounds at Different Temperatures, Ch. Klee and D. Ludwig, West Germany (FRG)
7.0343	Formation and Distribution of Hot Spots in Slurry Explosives Under Projectile Impact, K.K. Feng, W.K. Chung, J.M. Yu, and B.C. -Y. Lu, Canada
7.0352	The Mechanism of Initiation of Composition B by a Metal Jet, M.C. Chick and D.J. Hatt, Australia
7.0362	Investigation of Transient Processes at Initiation of High Explosives, V.M. Titov, V.F. Lobanov, S.A. Bordzilovsky, and S.M. Karakhanov, USSR
7.0373	Effect of Cavitation on the Shock Sensitivity of Liquid Explosives, V.K. Mohan and J.E. Hay, India and USA
7.0385	Shock Initiation of Porous TATB, A.B. Anderson, M.J. Ginsberg, W.L. Seitz, and J. Wackerle, USA
7.0394	Hot Spot Initiation of Heterogeneous Explosives, M.E. Kipp, J.W. Nunziato, R.E. Setchell, and E.K. Walsh, USA
7.0408	Diverging Detonations in RDX- and PETN-Based Cast-Cured PBX, F. Bonthoux, P. Deneuille, and Y. de Longueville, France
7.0416	Shock Characterization of Hexanitroazobenzene (HNAB), L.M. Lee and A.C. Schwarz, USA
7.0425	Shock Initiation of TATB Formulations, C. Honodel, J. Humphrey, R.C. Weingart, R.S. Lee, and P.E. Kramer, USA
7.0435	Two-Phase Visco-Plastic Model of Shock Initiation of Detonation in High-Density Pressed Explosives, B.A. Khasainov, A.A. Borisov, B.S. Ermolaev, and A.I. Korotkov, USSR
7.0448	The Initiation Transient in Dilute Explosives, W. Fickett, USA
7.0459	Model of Impact Ignition and Explanation of Critical Shock Initiation Energy: II. Application, W.H. Andersen, USA
7.0466	The Accuracy of Reaction Rates Inferred from Lagrange Analysis and In-Situ Gauge Measurements, H.C. Vantine, R.B. Rainsberger, W.D. Curtis, R.S. Lee, M. Cowperthwaite, and J.T. Rosenberg, USA
7.0479	Numerical Modeling of Shock Sensitivity Experiments, A.L. Bowman, C.A. Forest, J.D. Kershner, C.L. Mader, and G.H. Pimbley, USA
7.0488	Modeling Two-Dimensional Shock Initiation and Detonation Wave Phenomena in PBX 9404 and LX-17, C.M. Tarver and J.O. Hallquist, USA
7.0498	A Constitutive Model for Calculating Chemical Energy Release Rates from the Flow Fields in Shocked Explosives, M. Cowperthwaite, USA
7.0506	A Void Collapse Model for Shock Initiation, Y. Partom, Israel
7.0517	Modeling Studies of the Performance Characteristics of Composite Explosives, C. Westmoreland and E.L. Lee, USA
7.0523	Hot Spot and Bulk Temperature Induction in Shock Compressed Explosives, M.J. Frankel and D.J. Pastine, USA
7.0531	Detonation Pressures of PBX-9404, Composition B, PBX-9502, and Nitromethane, W.C. Davis and J.B. Ramsay, USA
7.0540	Comparison of TATB and DINGU Explosive Properties, P. Deneuille, C. Gaudin, Y. de Longueville, and J. Mala, France
7.0548	Detonation in Intermolecular Explosives: Characteristics of Some Eutectic Formulations, I.B. Akst, USA
7.0560	Influence of Inert Binders on Detonation Properties of Cast-Cured PBX, Y. de Longueville, A. Delclos, C. Gaudin, and J. Mala, France
7.0566	Customized Explosives Based on Plastic-Bonded Mixtures to TATB and HMX, A.W. Campbell, H.L. Flaugh, A. Popolato, and J.B. Ramsay, USA
7.0575	On the Low-Velocity Detonation of Nitromethane, A.A. Schilperoord, Netherlands
7.0583	Influence of Additives on Nitromethane Detonation Characteristics, H.N. Presles, C. Brochet, Y. Kato, and K. Tanaka, France and Japan

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
7.0589	A Theory to Predict the Velocity-Diameter Relation of Explosives, S.K. Chan, UK
7.0602	Some Results on the Converging Spherical Detonation in a Solid Explosive, R. Cheret, F. Chaisse, and J. Zoe, France
7.0608	Numerical Simulation of Detonation Failure in Nitromethane, M.E. Kipp and J.W. Nunziato, USA
7.0620	Nonideal Detonation and Initiation Behavior of a Composite Solid Rocket Propellant, J.J. Dick, USA
7.0624	Corner-Turning in TATB, M. Cox and A.W. Campbell, USA
7.0634	The Chapman-Jouguet Detonation and its Acceleration for a Perfect Fluid Without Conduction, G. Damamme, France
7.0641	Simulation of the Reaction Zone of Heterogeneous Explosives, G. Damamme and M. Missonier, France
7.0646	Postdetonation Behavior of Condensed High Explosives by Modern Methods of Statistical Mechanics, F.H. Ree, USA
7.0661	Influence of the Reaction Zone on the State of Detonation in a Steady Axial Wave, J. Thouvenin, France
7.0669	Detonation Wave Interactions, C.L. Mader, USA
7.0678	Explosive Equation of State Determination by the AWRE Method, W.A. Bailey, R.A. Belcher, D.K. Chilvers, and G. Eden, UK
7.0686	An Elementary Solution for the Equations of the Zeroth Order Internal Structure of a Strong Detonation in a Solid High Explosive, F. Chaisse, R. Cheret, S. Paul, and J.M. Servas, France
7.0695	Numerical Simulations of Non-Ideal Detonations of a Heterogeneous Explosive with the Two-Dimensional Eulerian Code C.E.E., P. Donguy and N. Legrand, France
7.0703	Detonation Properties of Condensed Explosives Calculated with an Equation of State Based on Intermolecular Potentials, R. Chirat and G. Pittion-Rossillon, France
7.0716	Theoretical EOS for Reaction Products of RDX, H.D. Jones, USA
7.0721	Development of a Single Species Equation of State for Detonation Products Suitable for Hydrocode Calculations, L.H. Sentman, R.A. Strehlow, B. Haeffele, and A. Eckstein, USA
7.0735	Low Energy Laser Initiation of Single Crystals of Beta-Lead Azide, J.T. Hagan and M.M. Chaudhri, UK
7.0746	Mesh-Initiated Large-Area Detonator with Magnetic Flux Compression Current Generator as Source, Sang Wu, Zhang Guan-Ren, China (PRC)
7.0751	Inverse Multi-Streak Technique, M. Held and P. Nikowitsch, West Germany (FRG)
7.0759	Detonation Temperature of Some Liquid Explosives, J.T.A. Burton, S.J. Hawkins, and G. Hooper, UK
7.0768	Brightness Temperature of Detonation Wave in Nitromethane-Tetranitromethane Mixtures and in Gaseous Mixtures at a High Initial Pressure, Y. Kato, P. Bauer, C. Brochet, and R. Bouriannes, Japan and France
7.0777	Comparison of Molecular Dynamics Calculations with Observed Initiation Phenomena, F.E. Walker, A.M. Karo, and J.R. Hardy, USA
7.0789	On Decomposition Reaction Kinetics in Shock Wave Front, A.N. Dremin, V.Y. Klimenko, K.M. Michailjuk, and V.S. Trofimov, USSR
7.0795	A Short Survey of Detonation Research in China, Ding Jing, China (PRC)
7.0801	Eutectic Composite Explosives Containing Ammonium Nitrate, M.M. Stinecipher, USA
7.0811	The Acceleration of Two Metal Plates in an HE-Metal Sandwich, N.E. Hoskin and B.D. Lambourn, UK
7.0826	The Planar Flyer Plate Driven by Detonation Product Convergent Flow, Tan Bing-Sheng and Jing Fu-Qian, China (PRC)
7.0834	An Improved Approximate Model of Explosive Casing Expansion, M. Kornhauser, USA
7.0843	Compaction of Porous Beds of Inert Materials, H.W. Sandusky, W.L. Elban, K. Kim, R.R. Bernecker, S.B. Gross, and A.R. Clairmont, USA
7.0857	Short-Pulse Shock Initiation of Granular Explosives, R.E. Setchell, USA
7.0865	Characterization of the DDT Explosive, CP, P.L. Stanton, E.A. Igel, L.M. Lee, J.H. Mohler, and G.T. West, USA
7.0877	Precursors in Detonations in Porous Explosives, R.L. Spaulding, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
7.0887	Correlation of the Results of Shock Initiation Tests, A.M. Weston, J. Kincaid, E. James, E.L. Lee, L.G. Green, and J. Walton, USA
7.0898	Anomalous Burning Rate Characteristics of Composition B and TNT, R.W. Velicky and J. Hershkowitz, USA
7.0906	Shock Ignition Sensitivity of Multiply-Shocked Pressed TNT, V.M. Boyle and D.L. Pilarski, USA
7.0914	The Effect of Base Gaps on Setback-Shock Sensitivities of Cast Composition B and TNT as Determined by the NSWC Setback-Shock Simulator, T.F. Myers and J. Hershkowitz, USA
7.0924	Exploding Foil Shock Sensitivity Test, W.E. Voreck and R.W. Velicky, USA
7.0930	The Role of Air and Other Gases in Flyer Plate Initiation of Explosives, J.G. Harlan, J.K. Rice, and J.W. Rogers, USA
7.0940	Detonation Chemistry: An Investigation of Fluorine as an Oxidizing Moiety in Explosives, R.R. McGuire, D.L. Ornellas, F.H. Helm, C.L. Coon, and M. Finger, USA
7.0952	Simplified Methods for Predicting Explosive Performance Parameters Including Eremenko's Relative Detonation Impulses, J.M. Short, H.G. Adolph, and M.J. Kamlet, USA
7.0958	Fine Structure in Nitromethane/Acetone Detonation, W.C. Davis, USA
7.0965	Laboratory-Scale Sensitivity Testing of Insensitive High Explosives, J.M. Brosse, C. Kassel, C. Michaud, and S. Poulard, France
7.0970	Experimental Investigation of Hot Spots Produced by High Rate Deformation and Shocks, C.S. Coffey, M.J. Frankel, T.P. Liddiard, and S.J. Jacobs, USA
7.0976	Microhardness Study of RDX to Assess Localized Deformation and its Role in Hot Spot Formation, W.L. Elban and R.W. Armstrong, USA
7.0986	Flash X-Ray Cineradiography @ 100,000 fps, J.J. Trimble and C.L. Aseltine, USA
7.0993	Temperature Measurement of Shocked Explosives by Time-Resolved Infrared Radiometry—A New Technique to Measure Shock-Induced Reaction, W.G. Von Holle and C.M. Tarver, USA
7.1004	Thermocouple Temperature Measurements in Shock-Initiated PBX-9404, D.D. Bloomquist and S.A. Sheffield, USA
7.1010	Raman Scattering Temperature Measurement Behind a Shock Wave, F. Boisard, C. Tombini, and A. Menil, France
7.1016	Aquarium Tests on Aluminized ANFO, S. Goldstein and J.N. Johnson, USA
7.1024	Shock Initiation Sensitivity of Hexanitrostilbene (HNS), A.C. Schwarz, USA
7.1029	Interpolation of Detonation Parameters from Experimental Particle Velocity Records, B. Hayes and C.M. Tarver, USA
7.1040	Factors Affecting the Explosiveness of Munitions Fillings, A.S. Dyer, P.J. Hubbard, P.R. Lee, and D.G. Tisley, UK
7.1048	The Response of Confined Explosive Charges to Fragment Attack, P.M. Howe, J.L. Watson, and R.B. Frey, USA
7.1055	A Numerical Study of Detonation Propagation Between Munitions, P.M. Howe, Y.K. Huang, and A.L. Arbuckle, USA
7.1062	The Electromagnetic Velocity Gauge: Use of Multiple Gauges, Time Response, and Flow Perturbations, L.M. Erickson, C.B. Johnson, N.L. Parker, H.C. Vantine, R.C. Weingart, and R.S. Lee, USA
7.1072	Lagrange Gage Studies in Ideal and Non-Ideal Explosives, M. Cowperthwaite and J.T. Rosenberg, USA
8.0003	The Relationship Between the Shock Sensitivity and the Solid Pore Sizes of TATB Powders Pressed to Various Densities, R.S. Lee, G. Bloom, W.G. Von Holle, R.C. Weingart, L.M. Erickson, S. Sanders, C. Slettevold, and R.R. McGuire, USA
8.0015	Experimental Studies of Chemical Reactivity during Shock Initiation of Hexanitrostilbene, R.E. Setchell, USA
8.0026	The Effects of Material Microstructure on the Shock Sensitivity of Porous Granular Explosives, P.A. Taylor, USA
8.0035	Modeling Granular Explosive Detonations with Shear Band Concepts, M.E. Kipp, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
8.0042	The Three-Dimensional Hydrodynamic Hot-Spot Model, C.L. Mader and J.D. Kershner, USA
8.0052	Modeling Heterogeneous High Explosive Burn with an Explicit Hot-Spot Process, P.K. Tang, J.N. Johnson, and C.A. Forest, USA
8.0062	Hot Spot Production by Moving Dislocations in a Rapidly Deforming Crystalline Explosive, C.S. Coffey, USA
8.0068	Cavity Collapse in Energetic Materials, R.B. Frey, USA
8.0083	Hugoniot and Reaction Rates from EMV Gauge Measurements and Lagrange Analysis, Jiao Qinjie, Ding Jing, Liang Yunming, Huang Zhengping, and Zhao Henyang, China (PRC)
8.0089	Measurement of Two-Dimensional Shock Wave Velocities and a Composite Probe, Fu Xinghai, China (PRC)
8.0093	Retonation Phenomenon in Solid Explosives, Ding Jing, Bi Zhu, Hu Dong, and Deng Quan-nong, China (PRC)
8.0099	Reaction Rates from Electromagnetic Gauge Data, J. Vorthman, G. Andrews, and J. Wackerle, USA
8.0111	Lagrange Gage Studies of Detonation in Some Intermolecular EA-Based Explosives, M. Cowperthwaite and J.T. Rosenberg, USA
8.0123	Detonation Reaction Zone Studies on TATB Explosives, W.L. Seitz, H.L. Stacy, and J. Wackerle, USA
8.0135	Experiments and Numerical Simulation of High Explosive Delayed and Lowed Detonation, J. Vanpoperinghe, J. Sorel, and H.C. Pujols, France
8.0143	Pressure Variation Upon Initiation of Cast RDX/TNT 50/50 Charge by Diverging Shock Wave, V.M. Titov, S.M. Karakhanov, and S.A. Bordzilovsky, USSR
8.0151	Experimental Study of Spherically Diverging Detonation Waves, J. Aveille, J. Baconin, N. Carion, and J. Zoe, France
8.0159	A Theoretical Analysis of the Shape of a Steady Axisymmetrical Reactive Shock Front in Cylindrical Charges of High Explosive, a Curvature-Diameter Relationship, F. Chaisse, J.M. Servas, J. Aveille, J. Baconin, N. Carion, and P. Bongrain, France
8.0168	A Generalized C-J Condition for Simple Axial Flow with a Spherical Shock Front: Its Application to the Slurry Explosives, H. Matsui, A. Moritani, K. Yoneda, and T. Asaba, Japan
8.0176	A Small Divergent Detonation Theory for Intermolecular Explosives, I.J. Kirby and G.A. Leiper, Scotland, UK
8.0187	Determination of Reaction Rates in Intermolecular Explosives Using the Electromagnetic Particle Velocity Gauge, G.A. Leiper, I.J. Kirby, and A. Hackett, Scotland, UK
8.0196	Determination of Transient and Kinetic Characteristics in Simulating RDX/TNT 50/50 Charge Initiation, V.M. Titov, V.F. Lobanov, S.A. Bordzilovsky, and S.M. Karakhanov, USSR
8.0207	The Influence of Reactive Cases on Airblast from High Explosives, W.S. Filler, USA
8.0211	The Growth and Decay of Explosive Deflagrations in Munitions in Simulated Factory Accident Scenarios, A.S. Dyer, P.J. Haskins, P.J. Hubbard, and C.D. Hutchinson, UK
8.0228	An Eight-Inch-Diameter, Heavily Confined Card Gap Test, J. Foster, K. Forbes, M. Gunger, and B.G. Craig, USA
8.0243	Chemical Reaction of Explosives and Gun Propellant During High Acceleration, M.Y.D. Lanzerotti and J. Pinto, USA
8.0251	The Effect of Some Additives on the Closed Bomb Burning and Ignitability of RDX/TNT, R.W. Velicky, H.W. Voight, and W.E. Voreck, USA
8.0262	Response of Confined Explosive Charges to Fragment Impact, M.A. Barker, M.J.F. Basset, J. Conner, and P.J. Hubbard, UK
8.0274	Pressure-Shear Loading of PBX-9404, L.C. Chhabildas and M.E. Kipp, USA
8.0284	Energetic Response of Propellants to High-Velocity Impact, L.G. Green, E. James, and E.L. Lee, USA
8.0294	An Experimental Investigation of the Role of Shear in Initiation of Detonation by Impact, P.M. Howe, G. Gibbons, and P.E. Webber, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
8.0307	Some New Computed Results for Projectile Impact Shock Initiation of Solid Explosives, Y.K. Huang, J. Starkenberg, and A.L. Arbuckle, USA
8.0318	The Jet Initiation of Solid Explosives, M.C. Chick, I.B. Macintyre, and R.B. Frey, Australia and USA
8.0330	Superposition of Shock Waves and Reaction Waves for the Initiation of High Explosive Charges, M. Held, West Germany (FRG)
8.0337	Numerical Simulation of Jet Penetration of HMX and TATB Explosives, D. Pirotais, J.P. Plotard, and J.C. Braconnier, France
8.0351	Sensitivity and Performance Characterization of DINGU, M.M. Stinecipher and L.A. Stretz, USA
8.0361	Shock Sensitivity Study of the Curable Plastic Bonded Explosives, C. Belanger, J.F. Drolet, and P. Pelletier, Canada
8.0372	Effect of Confinement on Failure in 95 TATB/5 KEL-F, J.B. Ramsay, USA
8.0380	Run to Detonation in TATB, D. Grief, S.H. Ward, and G.D. Coley, UK
8.0390	The Use of the Double Pipe Test to Investigate the Run-Up and Run-Down from Initiation in Pneumatically Loaded ANFO, M.P. du Plessis and C.M. Lownds, South Africa
8.0399	Simulating the Initiation of High Explosive by Explosive Trains, F. Leibundgut, Switzerland
8.0409	Influence of Air Gaps on Detonation Propagation in Charges Consisting of Stacked Blocks of Cast TNT, A. Gibb, Canada
8.0422	Detonation Properties of Liquid Nitric Oxide, W.C. Davis and W.C. Chiles, USA
8.0425	Characterization of Strong Detonation Waves in Nitromethane, M. Sellam, C. Brochet, and R. Cheret, France
8.0431	Continuous Observation of Mach Bridge and Mach Phenomena, H.N. Presles, J. Souletis, and J. Groux, France
8.0440	Displacement Gradient Method for Measuring Detonation Parameters Using Flash X-Ray Photography, Li Huiling, Huang Zhengping, and Ding Jing, China (PRC)
8.0447	The Study of Booster Materials with Electromagnetic Particle Velocity Gauges, D.A. Philipart, UK
8.0460	Applications of Fiber Optics to Detonation Events, P. Lu, E. Naiman, and W.E. Voreck, USA
8.0468	VISAR: Interferometer Quadrature Signal Recording by Electronic Streak Camera, W.F. Hemsing, USA
8.0473	Laser as a Tool in Sensitivity Testing of Explosives, H. Ostmark, Sweden
8.0485	Microwave Interferometer Techniques for Detonation Study, P.L. Stanton, E.L. Venturini, and R.W. Dietzel, USA
8.0501	Detonation Behavior of LX-14 and PBX-9404: Theoretical Aspect, F.H. Ree and M. van Thiel, USA
8.0513	Comparison of Experimental Data on Detonation Velocity and Chapman-Jouguet Pressure vs Initial HE Density with Predictions from Ree's Model Equation of State, D.J. Steinberg, USA
8.0521	Which Equation of State for Carbon in Detonation Products?, J. Baute and R. Chirat, France
8.0531	The Theory of Dense Molecular Fluid Equations of State with Application to Detonation Products, M.S. Shaw and J.D. Johnson, USA
8.0540	Theoretical Equations of State for the Detonation Products of Explosives, G.I. Kerley, USA
8.0548	Detonation Properties of High Explosives Calculated by Revised Kihara-Hikita Equation of State, K. Tanaka, Japan
8.0558	Detonation Temperature of Nitromethane and Some Solid High Explosives, Y. Kato, N. Mori, H. Sakai, K. Tanaka, T. Sakurai, and T. Hikita, Japan
8.0567	The Measurement of Detonation Temperature of Condensed Explosives with Two-Colour Optical Fiber Pyrometer, He Xianchu, Han Chenbung, and Kang Shufong, China (PRC)
8.0577	Detonation Products of Insensitive Cast High Explosives, F. Volk, H. Bathelt, F. Schedlbauer, and J. Wagner, West Germany (FRG)
8.0587	The Supracompression of LX-07, LX-17, PBX-9404, and RX-26-AF and the Equations of State of the Detonation Products, L.G. Green, E.L. Lee, A. Mitchell, and C.M. Tarver, USA
8.0596	EOS of Detonation Products Obtained from Symmetrical Deflection of Liners Investigated by Laser Interferometry Techniques, P. Gimenez, Y. de Longueville, and C. Saint-Martin, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
8.0602	Models of Explosively Driven Metal, J.T. Dehn, USA
8.0613	The Motion of Thin Metal Walls and the Equation of State of Detonation Products, E.L. Lee, D. Breithaupt, C. McMillan, N.L. Parker, J.W. Kury, C.M. Tarver, W. Quirk, and J. Walton, USA
8.0625	Influence of Test Conditions on the Ballistic Classification of Explosives, J. Souletis and J. Mala, France
8.0635	Mechanical Properties of PBX's and their Behaviour During Drop Weight Impact, J.E. Field, S.J.P. Palmer, P.H. Pope, R. Sundararajan, and G.M. Swallowe, UK
8.0645	The Strain Rate Behavior of Coarse HMX Porous Bed Compaction, P.J. Coyne, W.L. Elban, and M.A. Chiarito, USA
8.0658	Deflagration-to-Detonation Transition (DDT) Studies of a Double-Base Propellant, R.R. Bernecker, H.W. Sandusky, and A.R. Clairmont, USA
8.0669	Modelling of DDT in Granular Explosives, H.J. Verbeek, Netherlands
8.0678	On the Mechanism of the Reaction "Hot Spots" Origin at Liquid Explosives Detonation, A.N. Dremin, V.Y. Klimenko, and I.Y. Kosireva, USSR
8.0691	Time-Resolved Spectroscopic Studies of Detonating Heterogeneous Explosives, W.M. Trott and A.M. Renlund, USA
8.0701	Real Time Analysis of PETN Detonation Products, N.C. Blais and J.J. Valentini, USA
8.0710	Fast Spectroscopic Analysis of Laser Initiated Decomposition Reactions in Explosives, M.W. Leeuw, A.J.T. Rooijers, and A.C. van der Steen, Netherlands
8.0715	Static High Pressure Study of Nitric Oxide Chemistry: Proposed Mechanism for Nitric Oxide Decomposition, B.I. Swanson, S.F. Agnew, and N.R. Greiner, USA
8.0725	Sub-Ignition Reactions at Molecular Levels in Explosives Subjected to Impact and Underwater Shock, J. Sharma, J.C. Hoffsommer, D.J. Glover, C.S. Coffey, J.W. Forbes, T.P. Liddiard, W.L. Elban, and F. Santiago, USA
8.0734	Paramagnetic Decomposition Products from Energetic Materials, M.D. Pace, A.D. Britt, W.B. Moniz, and D. Stec, USA
8.0742	Paramagnetic Resonance of Radicals in Decomposed Trinitroaromatics, F.J. Owens, USA
8.0751	An Extensive Application of WCA4 Equation of State for Explosives, R. Chirat and J. Baute, France
8.0762	The Equation of State of Detonation Products and Their Incorporation Into the QUATUOR Code, O. Heuze, P. Bauer, H.N. Presles, and C. Brochet, France
8.0770	Sensitivity Analysis of the Ideal Detonation State to Errors in Molecular Properties and Intermolecular Force Parameters, W. Byers Brown, UK
8.0778	Derivatives of the Chapman-Jouguet State, B.D. Lambourn, UK
8.0785	Equation of State for Detonation Products, W.C. Davis, USA
8.0796	Detonation Properties of Condensed Explosives Computed with the VLW Equation of State, Wu Xiong, China (PRC)
8.0805	Calculation of Detonation Products by Means of the CS Hard-Sphere Equation of State, K.K. Feng, W.K. Chung, and B.C. -Y. Lu, Canada
8.0815	Expansion Isentropes of TATB Compositions Released to Argon, M. Pinegre, J. Aveille, M. Leroy, J.C. Protat, R. Cheret, and N. Camarcat, France
8.0827	Quantum Chemical Studies of Energetic Materials, P.J. Haskins and M.D. Cook, UK
8.0839	Electron Density Distribution Analysis for Nitroguanidine, J.P. Ritchie, D.T. Cromer, R.R. Ryan, R.F. Stewart, and H.J. Wasserman, USA
8.0847	A Molecular Mechanism for the Initiation of Secondary Explosives. Influence of a Shock Light-Coupling, S. Dufort and A. Delpuech, France
8.0855	Calculated Reaction Pathways for Nitromethane and Their Role in the Shock Initiation Process, R. Bardo, USA
8.0864	The Dynamics of Shock-Induced Energy Flux in Molecular Bonds, A.M. Karo, M.H. Mehlman, and J.R. Hardy, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
8.0870	Simulation of the Initiation of Detonation in an Energetic Molecular Crystal: The Overdriven Case, S.F. Trevino and D.H. Tsai, USA
8.0881	Compressive Reaction in Porous Beds of Energetic Materials, H.W. Sandusky and R.R. Bernecker, USA
8.0892	Shock Initiation of TATB and HMX Explosive Compositions, J. Vanpoperinghe, J. Sorel, J. Aveille, and J.C. Adenis, France
8.0902	The Effect of RDX Particle Size on the Shock Sensitivity of Cast PBX Formulations, H. Moulard, J.W. Kury, and A. Delclos, France
8.0914	Modeling 1-D Deflagration to Detonation Transition (DDT) in Porous Explosive, A.M. Weston and E.L. Lee, USA
8.0926	Modeling of Reaction Buildup Process in Shocked Porous Explosive, K. Kim and C.H. Sohn, Korea
8.0934	Modeling the Deflagration to Detonation Transition in Porous Beds of Propellant, C.F. Price and T.L. Boggs, USA
8.0943	A Semi-Analytical Approach to Shock Initiation in Heterogeneous Explosives, Y.K. Huang and A.L. Arbuckle, USA
8.0951	Modeling Short Pulse Duration Shock Initiation of Solid Explosives, C.M. Tarver, J.O. Hallquist, and L.M. Erickson, USA
8.0962	A Model for Shock Initiation of Porous Propellants by Ramp-Induced Compression Processes, H. Krier, C.A. Cudak, J.R. Stewart, and P.B. Butler, USA
8.0972	DDT in RDX and Ball Powder: Behavior of the Porous Bed, M. Samirant, France
8.0979	Detonation in Tungsten-Loaded HMX, S. Goldstein and C.L. Mader, USA
8.0985	Calculation of the Blasting Performance of Some Commercial Explosives, A. Persson and P.-A. Persson, Sweden
8.0993	Detonation Behavior of Emulsion Explosives Containing Glass Microballoons, M. Yoshida, M. Iida, K. Tanaka, S. Fujiwara, M. Kusakabe, and K. Shiino, Japan
8.1001	Intermolecular Explosives, I.B. Akst, USA
8.1011	The Detonation Reaction of Heterogeneous Composite Explosive, Guo Yuxian, Peng Guoshu, Song Jialiang, Xu Laibin, Wang Aiqin, and Zou Quanqing, China (PRC)
8.1018	Composite Explosives for Metal Acceleration: The Effect of Detonation Temperature, R.R. McGuire and M. Finger, USA
8.1025	A Model Solution for Nonideal One-Dimensional Detonation Waves, M. Cowperthwaite, USA
8.1035	The Influence of Formulation Variables on the Growth of Reaction in Plastic Bonded Explosives, K.A. Fleming, R. Bird, M.W.G. Burt, and C.E. Whatmore, UK
8.1045	Initiation Studies on LX-17 Explosive, K.L. Bahl, G. Bloom, L.M. Erickson, R.S. Lee, C.M. Tarver, W.G. Von Holle, and R.C. Weingart, USA
8.1057	The Shock Desensitization of PBX 9404 and Composition B-3, A.W. Campbell and J.R. Travis, USA
8.1069	On Detonation Driven Air Shocks in the Air Gap Between a Charge and Its Confinement, G. Bjarnholt and U. Smedberg, Sweden
8.1080	Cavity Collapse Ignition of Composition B in the Launch Environment, J. Starkenberg, D.L. McFadden, and O.R. Lyman, USA
8.1091	Explosive Initiation by Very Small Conical Shaped Charge Jets, M.G. Vigil, USA
8.1105	Experimental Studies Concerning the Response of Intermediate Explosives to Thermal Stimuli, C.D. Hutchinson, UK
8.1119	Derivation of the P^2t Detonation Criterion, E.H. Walker, UK
8.1126	Shock Initiation of HNAB by Electrically Driven Flyer Plates, E. Hasman, M. Gvishi, Z. Segalov, Y. Carmel, D. Ayalon, and A. Solomonovici, Israel
8.1131	Shock Sensitivity and Performance of Several High Explosives, M. Kroh, K. Thoma, W. Arnold, and U. Wollenweber, West Germany (FRG)
8.1139	A Computational Investigation of the Effect of Shielding in Mitigating Shock Initiation Stimuli Produced by Impact, J. Starkenberg, T.M. Dorsey, and K.J. Benjamin, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
8.1150	On the Role of Shock and Shear Mechanism in the Initiation of Detonation by Fragment Impact, P.M. Howe, USA
9.0003	Combined Pressure Shear Ignition of Explosives, V. Boyle, R. Frey, and O. Blake, USA
9.0018	Particular Aspect of the Explosive Particle Size Effect on Shock Sensitivity of Cast Formulations, H. Moulard, France
9.0025	Particle Size Effects in the Initiation of Explosives Containing Reactive and Non-Reactive Continuous Phases, R.L. Simpson, F.H. Helm, P.C. Crawford, and J.W. Kury, USA
9.0039	In-Situ Study of the Chemically Driven Flow Fields in Initiating Homogeneous and Heterogeneous Nitromethane Explosives, S.A. Sheffield, and R. Engelke, and R.R. Alcon, USA
9.0050	Decomposition of High Explosives in Shock and Detonation Waves, V. Fortov, G.I. Kanel, T.N. Fortova, S.I. Malyrenko, and A.V. Utkin, USSR
9.0058	Initiation of Explosive Crystals by Shock or Impact, C.S. Coffey, USA
9.0066	Initiation Threshold of High Explosives in Small Flyer Plate Experiments, H.R. Kleinhanss, F. Lungenstrass, and H. Zöellner, Germany
9.0077	A Two-Dimensional Lagrangian Technique for Shock Initiation Diagnosis, Huan Shi and Ding Jing, China (PRC)
9.0083	Influence of RDX Crystal Shape on the Shock Sensitivity of PBXs, A.C. van der Steen, H.J. Verbeek, and J.J. Meulenbrugge, Netherlands
9.0089	A Lagrange Gauge Study of the Shock Initiation Process in an Intermolecular Explosive EAK, M. Cowperthwaite, J.T. Rosenberg, and A.G. Taliacich, USA
9.0098	Anomalous Shock Sensitivity/Density Relationship for Pressed Booster Explosives from a Small-Scale Gap Test, R.J. Spear and V. Nanut, Australia
9.0112	Shock Initiation of LX-17 as a Function of Its Initial Temperature, P.A. Urtiew, L.M. Erickson, D.F. Aldis, and C.M. Tarver, USA
9.0123	Initiation and Detonation Properties of the Insensitive High Explosive TATB/Kel-F 800 95/5, C.D. Hutchinson, G.C.W. Foan, H.R. Lawn, and A.G. Jones, UK
9.0133	Fabry Perot Velocimetry on Detonating LX-17 in Planar and Spherically Divergent Geometries, K.L. Bahl, R.D. Breithaupt, C.M. Tarver, and W.G. Von Holle, USA
9.0142	Reaction Rates of PBH-9D Explosive, Zhao Feng, Sun Chengwei, Sun Peiqi, and Ouyaqng Denghuan, China (PRC)
9.0153	Pulsed-Laser-Excited Raman Spectra of Shock-Compressed Triaminotrinitrobenzene, W.M. Trott and A.M. Renlund, USA
9.0162	Laser Ignition of Explosives: A Mass Spectroscopic Study of the Pre-Ignition Reaction Zone, H. Nilsson and H. Östmark, Sweden
9.0172	The Use of Time-Resolved Spectrometries in the Study of Initiation of Explosives at Molecular Level, A.E. Delpuech, France
9.0180	Vibrational Spectroscopic Investigations of Shock-Compressed Liquid Nitrogen and Shock-Compressed Liquid Nitromethane, D.S. Moore and S.C. Schmidt, USA
9.0190	Absorption Spectroscopy of Shocked Benzene, N.C. Holmes, G. Otani, P. McCandless, and S.F. Rice, USA
9.0197	Reaction Rates and the Charge Diameter Effect in Heterogeneous Explosives, G.A. Leiper and J. Cooper, UK
9.0209	A Shock Initiation Model for Fine-Grained Hexanitrostilbene, M.E. Kipp and R.E. Setchell, USA
9.0219	A Theoretical Picture of Shock-to-Detonation Transition in a Homogeneous Explosive, A.K. Kapila and J.W. Dold, USA and France
9.0228	Chemical Phenomena Associated with the Initiation of Thermal Explosions, T.B. Brill and P.J. Brush, USA
9.0235	The Lattice Density of States Concept and Its Role in Determining the Shock Sensitivity of PETN and Nitromethane, R.D. Bardo, USA
9.0246	Unified Formulation of the Reactivity of Condensed Explosives, R. Cheret, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
9.0250	The Choice Problem of Equation Determining the Condensed Reacting Media Characteristics in Numerical Modeling of Shock Processes, V.S. Trofimov, USSR
9.0252	Global Calibration of Constitutive Relationships in Explosive Reaction Zone, Huan Shi and Ding Jing, China (PRC)
9.0259	DDT--Determination of the Successive Phases of Phenomena, M. Samirant, France
9.0265	Deflagration to Detonation in Granular HMX, J.M. McAfee, B.W. Asay, A.W. Campbell, and J.B. Ramsay, USA
9.0280	Model Calculations and Experimental Measurements of the Response of HMX Porous Beds to Deflagration and Shock, D.F. Aldis, E.L. Lee, R.L. Simpson, and A.M. Weston, USA
9.0293	Compressive Combustion of Granular Materials Induced by Low-Velocity Impact, M.R. Baer and J.W. Nunziato, USA
9.0306	Compaction Wave Acceleration in Granular Energetic Material: Simulation with a Reactive Shock Wave Model, D.E. Kooker, USA
9.0320	Combined Experimental and Theoretical Investigations into the Deflagration-to-Detonation Transition, H.J. Verbeek and A.C. van der Steen, Netherlands
9.0329	Numerical Simulation of Deflagration-to-Detonation Transition for TS 3659 Propellants, T. Hsieh and K. Kim, USA
9.0341	Dynamic Compaction and Compressive Reaction Studies for Single and Double-Base Ball Propellants, B.C. Glancy, H.W. Sandusky, P.J. Miller, and A.D. Krall, USA
9.0354	DDT Studies of a High Energy Spherical Ball Propellant, R.R. Bernecker, USA
9.0363	An Improved Model of the Deflagration-to-Detonation Transition in Porous Beds, C.F. Price, A.I. Atwood, and T.L. Boggs, USA
9.0379	Shock Behavior of Explosives about the C-J Point, P.W. Cooper, USA
9.0388	Electrically Enhanced Detonation and Equations of State for Detonation Products, M. Cowperthwaite, USA
9.0396	The Measurement of Electrical Conductivity in Detonating Condensed Explosives, D.G. Tasker and R.J. Lee, USA
9.0407	Synthesis of Ultrafine Diamonds in Detonation Waves, V.M. Titov, V.F. Anischkin, and I.Yu. Mal'kov, USSR
9.0417	Carbon in Detonations, J.D. Johnson, USA
9.0425	Phase Changes in Carbon and Nitrogen Systems: Their Effects on the Detonation Properties of High Explosives, F.H. Ree and M. van Thiel, USA
9.0435	The Detonation Parameters of New Powerful Explosive Compounds Predicted with a Revised VLW Equation of State, Wu Xiong, Sun Jian, and Xiao Lianjie, China (PRC)
9.0443	Theoretical Model of Explosive Detonation Products: Tests and Sensitivity Studies, G.I. Kerley, USA
9.0452	A New Simulation Method for the Efficient Calculation of Benchmarks for Detonation Products Equations of State, M.S. Shaw, USA
9.0461	Calculations of Detonation Pressures for a Homologous Series of Polynitroaliphatic Explosives Using a Fluid Perturbation Equation of State and a New Chemical Equilibrium Computer Program, F.J. Zerilli and H.D. Jones, USA
9.0471	A Detonation Pressure Measurement System Employing High Resistance Manganin Foil Gauge, S.Y. Song and J.W. Lee, Korea
9.0478	Heat of Detonation, the Cylinder Test, and Performance in Munitions, I.B. Akst, USA
9.0489	Theoretical Prediction of High Explosives Efficiency: Application to NTO, F. Bugaut, S. Bernard, and R. Chirat, France
9.0498	Determining JWL Equation of State Parameters Using the Gurney Equation Approximation, P.J. Miller and K.E. Alexander, USA
9.0506	Studies about the Equations of State of the Detonation Products, N. Carion, J. Aveille, P. Andriot, F. Chaisse, G. Guri, M.T. Kerihuel, and M. Leroy, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
9.0513	Sensitivities of Adiabatic and Grüneisen Gammas to Errors in Molecular Properties of Detonation Products, W. Byers Brown and M. Braithwaite, UK
9.0525	Reactive Flow Measurements and Calculations of ZrH ₂ -Based Composite Explosives, M.J. Murphy, R.L. Simpson, R.D. Breithaupt, and C.M. Tarver, USA
9.0537	Detonation Characteristics of Gun Propellants, B.W. Asay, A.W. Campbell, M.J. Ginsberg, and J.B. Ramsay, USA
9.0545	Detonation Properties of Mixtures of HMX and Emulsion Explosives, J.D. Renick, P.A. Persson, and J.A. Sanchez, USA
9.0554	The Prospects for Composite Explosive, Guo Yuxian, China (PRC)
9.0560	Detonation Velocity and Pressure of the Non-Ideal Explosive Ammonium Nitrate, A. Miyake, A.C. van der Steen, and H.H. Kodde, Japan and The Netherlands
9.0566	Shock Sensitivities of Energetically Substituted Benzofuroxans, M.L. Chan, C.D. Lind, and P. Ploitzer, USA
9.0573	Detonation and Shock Initiation Properties of Emulsion Explosives, J. Lee, F.W. Sandstrom, B.G. Craig, and P.A. Persson, USA
9.0585	Effect of Pressure of Shock Sensitivity of Emulsion Explosives, G. Om Reddy and F.P. Beitel Jr., India and USA
9.0593	Development of a Model of Reaction Rates in Shocked Multicomponent Explosives, K. Kim, USA
9.0604	A Model for the Initiation of Heterogeneous High Explosives Subject to General Compressive Loading, J. Starkenberg, USA
9.0621	Calculation of Detonation Properties of Emulsion Explosives, K. Tanaka, M. Iida, Y. Nakayama, N. Ishiokawa, M. Yoshida, and S. Fujiwara, Japan
9.0626	Chemistry of Underwater Explosive Detonations, D. Carlson, R. Doherty, V. Ringbloom, J.S. Deiter, and G.B. Wilmoth, USA
9.0633	Estimation of Performance of Underwater Explosives, D.A. Cichra and R.M. Doherty, USA
9.0640	Underwater Explosion of Emulsion Explosives, K. Hattori, Y. Kato, K. Tokita, Y. Fukatsu, N. Mori, and A. Torii, Japan
9.0641	The Fundamentals of Metal Combustion in Composite Explosives Revealed by High Speed Microphotography, W.C. Tao, A.M. Frank, R.E. Clements, and J.E. Shepherd, USA
9.0657	Detonation Reaction-Zone Structure for PBX 9502, W.L. Seitz, H.L. Stacy, R. Engelke, P.K. Tang, and J. Wackerle, USA
9.0670	Reaction Zone Structure in Supracompressed Detonating Explosives, L.G. Green, C.M. Tarver, and D.J. Erskine, USA
9.0683	Lagrangian Analysis of MIV Gauge Experiments on PBX 9502 Using the Mass-Displacement Moment Function, C.A. Forest, J. Wackerle, J.J. Dick, S.A. Sheffield, and D.R. Pettit, USA
9.0693	The Heterogeneous Explosive Reaction Zone, C.L. Mader and J.D. Kershner, USA
9.0701	Using Small Scale Tests to Estimate the Failure Diameter of a Propellant, C.M. Tarver and L.G. Green, USA
9.0713	Molecular Dynamics Simulation of the Effect of Molecular Dissociation and Energy Absorption on Detonation Structure in Energetic Solids, S.G. Lambrakos, M. Peyrard, E.S. Oran, USA
9.0724	Multiprocess Detonation Model, A.N. Dremin, V.Yu. Klimenko, O.N. Davidova, and T.A. Zoludeva, USSR
9.0730	Detonation Shock Dynamics: A New Approach to Modeling Multi-Dimensional Detonation Waves, J.B. Bdzil, W. Fickett, and D.S. Stewart, USA
9.0743	Nonequilibrium Effects of Slow Diffusion Controlled Reactions on the Properties of Explosives, M. van Thiel and F.H. Ree, USA
9.0751	Computation of a Diverging Comp-B Detonation, B.G. Bukiet, USA
9.0757	A Theoretical Analysis of the Sonic Point Properties in a Plane Detonation Wave, L. Brun and F. Chaisse, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
9.0766	Investigations of the Influence of Polymorphous Transformation on the Process of Detonation of Mixtures Containing HE and Substances Undergoing Transformation, E. Wlodarczyk, R. Trebinski, W. Trzcinski, and W. Witkowski, Poland
9.0773	Examples of Detonation Shock Dynamics for Detonation Wave Spread Applications, D.S. Stewart and J.B. Bdzil, USA
9.0784	Application of Whitham's Shock Dynamics Theory to the Propagation of Divergent Detonation Waves, B.D. Lambourn and D.C. Swift, UK
9.0798	Propagation of Detonation Waves from an Impact Region, R.S. Lee, W.C. Tao, and L.D. Couch, USA
9.0806	Detonation Wave Propagation in PBXW-115, J.W. Forbes, E.R. Lemar, and R.N. Baker, USA
9.0816	Non-Steady Flow in a Detonator, Jia Quansheng, Chen Fumei, and Wang Tinzheng, China (PRC)
9.0822	Polysulfone SIP Gage for Flying Plate Explosive Components, T.W. Warren and R.R. Weinmaster, USA
9.0831	The Effects of Inert Walls on the Velocity of Detonation in EDC35, an Insensitive High Explosive, G. Eden and R.A. Belcher, UK
9.0842	Experimental and Numerical Study of Oblique Interactions of Detonation Waves with Explosive/Solid Material Interfaces, J. Aveillé, N. Carion, J. Vacellier, and J.M. Servas, France
9.0853	Experimental and Numerical Study of Corner-Turning Detonation, A.W. Gibb, Canada
9.0857	The Initiation of Fast Decomposition in Solid Explosives by Fracture, Plastic Flow, Friction, and Collapsing Voids, M.M. Chaudhri, UK
9.0868	Characterization of Defect Microstructure in High Explosives Single Crystals by Synchrotron X-Ray Tomography, W.C. Tao and J.H. Kinney, USA
9.0869	Cavity Collapse in a Heterogeneous Commercial Explosive, N.K. Bourne and J.E. Field, UK
9.0879	Response of Composite Propellants to Shock Loading, Bai Chunhua and Ding Jing, China (PRC)
9.0886	Deformation and Explosive Properties of HMX Powders and Polymer Bonded Explosives, J.E. Field, M.A. Parry, S.J.P. Palmer, and J.M. Huntley, UK
9.0897	Physical and Chemical Nature of Hot Spots in TATB and HMX, J. Sharma, B.C. Beard, J. Forbes, C.S. Coffey, and V.M. Boyle, USA
9.0906	Hot Spot Formation in a Collapsing Void of Condensed-Phase, Energetic Material, P.B. Butler, J. Kang, and M.R. Baer, USA
9.0918	Broad Bandwidth Study of the Topography of the Fracture Surfaces of Explosives, M.Y.D. Lanzerotti, J.J. Pinto, and A. Wolfe, USA
9.0925	Effects of Microballoon Concentration on the Detonation Characteristics of Nitromethane-PMMA Mixtures, H.N. Presles, J. Campos, O. Heuzé, and P. Bauer, France
9.0933	Detonation Characteristics of Dense Gaseous Explosive Mixtures, P. Bauer, M. Dunand, H.N. Presles, and O. Heuzé, France
9.0939	Detonation Temperature of Some Liquid and Solid Explosives, Y. Kato, N. Mori, H. Sakai, T. Sakurai, and T. Hikita, Japan
9.0947	The Studying of Detonation Temperatures of Solid High Explosives, Shi Huisheng, Han Chengbang, Kang Shufang, and Huang Lihong, China (PRC)
9.0953	Free-Expansion Experiments and Modeling in Detonation: Chemistry and Hydrodynamics on a Laboratory Scale, N.R. Greiner and N. Blais, USA
9.0962	Detonation Products of Less Sensitive High Explosives Formed Under Different Pressures of Argon and in Vacuum, F. Volk and F. Schedlbauer, Germany
9.0972	Explosive Potential of Carbohydrate-Metal Composites, A.J. Tulis, J.L. Austing, W.K. Sumida, D.E. Baker, and D.J. Hrdina, USA
9.0987	A Review of Paramagnetic Resonance Products in Condensed Phase Energetic Materials, M.D. Pace, USA
9.0995	Properties of Bis(2,2,2-Trinitroethyl-N-Nitro) Ethylenediamine and Formulations Thereof, Dong Haishan, China (PRC)
9.1008	Use of Oxynitrotriazole to Prepare an Insensitive High Explosive, A. Becuwe and A. Declos, France

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
9.1014	Effects of Binder Concentration on the Properties of Plastic-Bonded Explosives, R.D. Steele, L.A. Stretz, G.W. Taylor, and T. Rivera, USA
9.1019	Chemistry of Nitromethane at Very High Pressure, S.F. Agnew, B.I. Swanson, J. Kenney, and I. Kenney, USA
9.1027	Decomposition Mechanisms and Chemical Sensitization in Nitro, Nitramine, and Nitrate Explosives, M.D. Cook and P.J. Haskins, UK
9.1037	Decomposition of Energetic Materials on the Drop-Weight-Impact Machine, G.A. Buntain, T.L. McKinney, T. Rivera, and G.W. Taylor, USA
9.1047	Behavior of an Unreacted Composite Explosive on Low Velocity Impact, C. Loupias and A. Fanget, France
9.1052	Response of Rocket Propellants to Projectile Impact, S.Y. Ho, Australia
9.1060	Characterization of Booster-Rocket Propellants and Their Simulants, L.J. Weirick, USA
9.1070	Experimental Study and Numerical Modeling of Thermal Initiation and Combustion of High Heterogeneous Explosives, C. Castille, D. Bainville, P. Reynier, and R. Belmas, France
9.1076	Electrostatic Sensitivity Testing of Explosives at Los Alamos, T.E. Larson, P. Dimas, and C.E. Hannaford, USA
9.1084	Molecule-Surface Collision Induced Excitation and Dissociation: n, i-C ₃ F ₇ NO, C ₆ F ₅ NO, 2-Methyl, 5-Vinyl Tetrazole and C(NO ₂) ₄ with MgO(100) Surfaces at E _{incident} ≤ 7.5eV, E. Kolodny, P.S. Powers, L. Iwata, H. Reisler, C. Wittig, I.B. Mishra, and C. Capellos, USA
9.1100	Initiation and Propagation in Primary Explosives, P.M. Dickson, M.A. Parry, and J.E. Field, UK
9.1110	Prompt Detonation of Secondary Explosives by Laser, D.L. Paisley, USA
9.1118	Laser Initiation of Secondary Explosives, A.M. Renlund, P.L. Stanton, and W.M. Trott, USA
9.1131	Intense Electron Beam Detonation of TATB Explosives, D. Demske, N. Brazell, W.E. Farley, S. Miller, and R. Warnes, USA
9.1140	Time-Resolved Mass Spectrometry Technique for Studying Fast Transient CHNO Explosive Decomposition Kinetics, R.D. Skocypec and K.L. Erickson, USA
9.1151	Laser Ignition of Explosives: Raman Spectroscopy of the Ignition Zone, H. Nilsson and H. Östmark, Sweden
9.1162	The Effect of the Pentafluorothio (SF ₅) Group on the Properties of Explosive Nitro Compounds: New SF ₅ Explosives, M.E. Sitzman and D.L. Ornellas, USA
9.1170	Chemistry of Detonation Soot: Diamonds, Graphite, and Volatiles, N.R. Greiner and R. Hermes, USA
9.1185	Molecular Models for Explosives: Applications to NTO, J.P. Ritchie, and E.M. Kober, USA
9.1193	Reaction and Diffusion in Detonation, N.J.B. Green, M.J. Pilling, and S.H. Robertson, UK
9.1199	A Thermochemical Model for Shock-Induced Chemical Reactions in Porous Solids: Analogs and Contrasts to Detonation, M.B. Boslough, USA
9.1217	Reactive Modeling in Shock Initiation of Heterogeneous Explosives, M. Quidot and J. Groux, France
9.1224	Reactive Flow Analysis and Its Applications, G.A. Leiper and D.L. Kennedy, UK and Australia
9.1235	Physical Evidence of Different Chemical Reactions in Explosives as a Function of Stress, T.P. Liddiard, J.W. Forbes, and D. Price, USA
9.1243	Towards Developing the Capability to Predict the Hazard Response of Energetic Materials Subjected to Impact, C.S. Coffey, D.F. DeVost, and D.L. Woody, USA
9.1253	"Frozen Hot Spots" in Shocked EDC35, an Insensitive High Explosive, G. Eden, R.A. Belcher, M.I. Andrew, and W.R. Marlow, UK
9.1260	Deformation and Shock Loading Studies on Single Crystals of Ammonium Perchlorate Relating to Hot Spots, H.W. Sandusky, B.C. Glancy, D.W. Carlson, W.L. Elban, and R.W. Armstrong, USA
9.1271	The Influence of Grain Morphology on the Behavior of Explosives, S. Dufort, H. Cherin, and P. Gohar, France
9.1276	Role of Adiabatic Shear Bands in Initiation of Explosives by Drop-Weight Impact, V. Krishna Mohan, V.C. Jyothi Bhasu, and J.E. Field, UK

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
9.1284	Gap Tests as a Method of Discriminating Shock Sensitivity, S.A. Aubert, G.H. Parsons, J.G. Glenn, and J.L. Thoreen, USA
9.1295	Shock Sensitivity of Damaged Energetic Materials, H.P. Richter, L.R. Boyer, K.J. Graham, A.H. Lepie, and N.G. Zwierzchowski, USA
9.1310	Burning Rates of Two Cast Nitramine Explosives Using a Hybrid Closed Bomb-Strand Burner, W.C. Tao, M.S. Costantino, and D.L. Ornellas, USA
9.1322	Explosiveness and Shock-Induced Deflagration Studies of Large Confined Explosive Charges, P.J. Hubbard and R. Tomlinson, UK
9.1335	Initiation and Detonation Measurements on Liquid Nitric Oxide, G.L. Schott, W.C. Davis, and W.C. Chiles, USA
9.1351	Mechanisms of Detonation and Failure in Weak Chemically Sensitized Mining Safety Explosives, M. Kennedy and I.D. Kerr, UK
9.1360	Experimental Studies on the Detonation of an Explosive by Multi-Point Initiation, Yu Jun, Fu Xinghai, and Zhang Guanren, China (PRC)
9.1364	Detonation Properties of Explosive Foams, C.J. Anderson, K. Von Rosen, A.W. Gibb, and I.O. Moen, Canada
9.1371	F.P.I. Velocimetry Techniques Applied to Various Problems in Detonics, P. Gimenez, J.P. Bedoch, C. Saint-Martin, G. Baudin, and Y. de Longueville, France
9.1378	Detonation Product Equation of State for Baratol, J.W. Kury and R.D. Breithaupt, USA
9.1385	Design and Development of Precision Linear Shaped Charges, M.G. Vigil, USA
9.1404	Jet Initiation Mechanisms and Sensitivities of Covered Explosives, M. Chick, T.J. Bussell, R.B. Frey, and A. Bines, Australia and USA
9.1416	Initiation Phenomena with Shaped Charge Jets, M. Held, Germany
9.1427	Spherical Projectile Impact on Explosives, E.N. Ferm and J.B. Ramsay, USA
9.1441	Projectile Impact Initiation of Explosive Charges, M.D. Cook, P.J. Haskins, and H.R. James, UK
9.1451	Correlation of Explosive Sensitivity to Compressional Inputs, M. Kornhauser, USA
9.1460	Sensitivity of Several Explosives to Ignition in the Launch Environment, J. Starkenberg, D.L. McFadden, D.L. Pilarski, K.J. Benjamin, V.M. Boyle, and O.R. Lyman, USA
9.1480	Study of Explosive Shell Fillings with Defects in Simulated Gun Launch Conditions, C. Bélanger, Canada
9.1489	A Computational Assessment of the Role of Shielding in Preventing the Sympathetic Detonation of Munitions, J. Starkenberg, T.M. Dorsey, K.J. Benjamin, and A.L. Arbuckle, USA
9.1510	Output Measurements and Modeling of HNS Mild Detonating Fuse, R.G. Jungst and M.E. Kipp, USA
9.1529	Detonator Response Measurements with a Standardized Piezoelectric Polymer (PVDF) Gauge, L.M. Moore, R.A. Graham, R.P. Reed, and L.M. Lee, USA
9.1543	Indexes for the Proceedings of the Symposia (International) on Detonation—1951 through 1985, S.L. Crane, W.E. Deal, J.B. Ramsay, and B.E. Takala, USA
10.0003	Energy Transfer in Solid Explosives, C.M. Tarver, L.E. Fried, A.J. Rigger, and D.F. Calef, USA
10.0011	Mach Reflection of Spherical Detonation Waves, L.M. Hull, USA
10.0019	Understanding Curved Detonation Waves, B.G. Bukiet, K.S. Lackner, and R. Menikoff, USA
10.0027	Streamline Dynamics Method for Highly Curved Detonation Waves, R.H. Guirguis, USA
10.0037	Propagation Phenomena on the Detonation Wave Front, J.M. Chevalier and N. Carion, France
10.0043	Computing the Transient Self-Sustained Detonation after a New Model, L. Brun, J. -M. Kneib, and P. Lascaux, France
10.0050	The Shape Analysis of a Steady Detonation Front in Right Circular Cylinders of High Density Explosive. Some Theoretical and Numerical Aspects, F. Chaissé and J.N. Oeconomos, France
10.0058	Numerical Simulations of Detonation in High Explosive Charges of Finite Diameter, V.E. Fortov, A.L. Ni, A.V. Shutov, and A.V. Utkin, Russia
10.0063	Experimental Study of Detonation in PBXW-123, A Large Failure-Diameter, Non-Ideal Explosive, W.H. Wilson, J.W. Forbes, P.K. Gustavson, and G.T. Sutherland, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
10.0069	Some Characteristics of Bow Wave Initiation and Desensitization, M. Chick, T.J. Bussell, and R.B. Frey, Australia
10.0078	Reflected-Shock Initiation of Explosives, E.N. Ferm and L.M. Hull, USA
10.0089	The Dependence of the Response of Heavily-Confined Explosives on the Degree of Projectile Penetration, H.R. James, M.A. Grixti, M.D. Cook, P.J. Haskins, and J. Stuart Smith, UK
10.0094	High Strain-Rate Impact Ignition of Rocket Propellants, S.Y. Ho, Australia
10.0104	Jet Initiation Thresholds of Nitromethane, B.W. Asay, D.J. Pauley, and E.N. Ferm, USA
10.0113	Fragment Impact Initiation of Cast PBXs in Relation with Shock Sensitivity Tests, M. Quidot, S. Hamaide, J. Groux, P. Gimenez, and J. Isler, France
10.0122	A Shock-to-Detonation Transition Model for High-Energy Rocket Propellant Applied to Predict Jet Initiation Threshold, D. Bergues, G. Baudin, and H. Trumel, France
10.0130	Temperature-Dependent Shock Initiation of TATB-Based High Explosives, J.C. Dallman and J. Wackerle, USA
10.0139	Shock Sensitivity of IHE at Elevated Temperatures, P.A. Urtiew, T.M. Cook, J.L. Maienschein, and C.M. Tarver, USA
10.0148	An Investigation of XDT Events in the Projectile Impact of Secondary Explosives, P.J. Haskins, M.D. Cook, and P.J. Cheese, UK
10.0157	The Use of Quantum Chemistry to Estimate the Performance and Properties of Explosives, J.P. Ritchie, USA
10.0166	Shock Initiation Studies of Low Density HMX Using Electromagnetic Particle Velocity and PVDF Stress Gauges, S.A. Sheffield, R.L. Gustavsen, R.R. Alcon, R.A. Graham, and M.U. Anderson, USA
10.0175	Ripple Free Line Initiation, A.M. Collyer, A.M. Johnson, and D.C. Swift, UK
10.0181	Condensed-Phase Thermal Decomposition of TATB Investigated by Atomic Force Microscopy (AFM) and Simultaneous Thermogravimetric Modulated Beam Mass Spectrometry (STMBMS), T.A. Sand, W.J. Siekhaus, M.F. Foltz, and R. Behrens, Jr., USA
10.0190	Fracture Surface Topography of TNT, Composition B and Octol, M.Y.D. Lanzerotti, J. Pinto, A. Wolfe, and D.J. Thomson, USA
10.0199	Calculation of Reactive Flow Using Smoothed Particle Hydrodynamics, L.D. Libersky, A.G. Petschek, and P.-A. Persson, USA
10.0207	Numerical Simulation of the Behavior of Explosives Subjected to a Thermal Hazard, C. Castille and F. Soulès, France
10.0215	Non-Reactive HMX Shock Hugoniot Data, R.L. Simpson, F.H. Helm, and J.W. Kury, USA
10.0219	Hot Spot Initiation of Plastic-Bonded Explosives During the Rapid Flow Phase of the Drop Weight Impact Tact, A.P. Metzner and C.S. Coffey, USA
10.0224	Inappropriate Use of Inclined Electromagnetic Velocity Gauges in Explosives, J.F. Cau, France
10.0242	Experimental Investigation into the Deflagration to Detonation Transition in Secondary Explosives, P.E. Luebcke, P.M. Dickson, and J.E. Field, UK
10.0267	Reaction of Aluminum and Ammonium Nitrate in Non-Ideal Heterogeneous Explosives, G.A. Leiper and J. Cooper, UK
10.0276	An Extensive Experimental Study of Pressed NTO, P. Gimenez, P. Chabin, J. Mala, and C. Spycykerelle, France
10.0286	Influence of Intragranular Cavities of RDX Particle Batches on the Sensitivity of Cast Wax Bonded Explosives, L. Borne, France
10.0294	Sensitivity Study of Nitroparaffin-Based Blends, C.J. Anderson, M.E. Pinco, and S.B. Murray, Canada
10.0305	A Testing Method to Evaluate Explosiveness, C. Bélanger, Canada
10.0320	The Application of Ballistic Impact and Radiant Ignition Techniques for Characterization of Violent Reaction in Cased Propellant, S.A. Finnegan, A.I. Atwood, J.K. Pringle, N.G. Zwierzchowski, P.O. Curran, and J. Wiknich, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
10.0340	Thin-Film Methods for Examining the Decomposition Chemistry of Explosives, K.L. Erickson, W.M. Trott, and A.M. Renlund, USA
10.0347	Recovery Technique for Shocked Explosive Samples, T.P. Liddiard, J.W. Forbes, J.W. Watt, R.N. Baker, J. Sharma, and B.C. Beard, USA
10.0351	Portable, Solid State, Fiber Optic Coupled Doppler Interferometer System for Detonation and Shock Diagnostics, K.J. Fleming and O.B. Crump, USA
10.0358	Synthesis, Characterization, and Sensitivity of Novel Nitramino Substituted Cyclotriphosphazenes, C.D. Bedford, M. Chaykovsky, M.-K. Rho, P.R. Dave, F. Forohar, T. Axenrod, and R. Gilardi, USA
10.0369	Equation of State for Detonation Products, W.C. Davis, USA
10.0377	Development of the Williamsburg Equation of State to Model Non-Ideal Detonation, W. Byers Brown and M. Braithwaite, UK
10.0386	A Review of Developments in the W-B-L Detonation Model, D.C. Swift and B.D. Lambourn, UK
10.0394	An Application of Variable Metric Nonlinear Optimization to the Parameterization of an Extended Thermodynamic Equation of State, E.L. Baker, USA
10.0401	Direct Monte Carlo Simulation of the Chemical Equilibrium Composition of Detonation Products, M.S. Shaw, USA
10.0409	Calibrating the BKW-EOS with a Large Product Species Data Base and Measured C-J Properties, M.L. Hobbs and M.R. Baer, USA
10.0419	Unlike-Pair Interactions at High Pressure and High Temperature, F.H. Ree and M. van Thiel, USA
10.0425	The Significance of Interaction Potentials of Water with Other Molecules in the EOS of High Explosive Products, M. van Thiel, F.H. Ree, and L.C. Haselman, Jr., USA
10.0433	Analysis of Hugoniot and Detonation Properties of Explosives with JCZ3 Equation of State, L.I. Stiel, V.M. Gold, and E.L. Baker, USA
10.0441	A Theoretical Study for Gas-Gas Separation in High Temperature and High Pressure Fluid, M. Koshi, H. Matsui, T. Saito, and K. Takayama, Japan
10.0449	Multipole Effects on the Equation of State for Reaction Products of Explosives, H.D. Jones and F.J. Zerilli, USA
10.0459	Initiation of Preshocked High Explosives PBX-9404, PBX-9502, and PBX-9501, R.N. Mulford, S.A. Sheffield, and R.R. Alcon, USA
10.0468	Velocimetry Studies on the Prompt Initiation of PBX 9502, J. Wackerle, H.L. Stacy, and W.L. Seitz, USA
10.0476	Prompt and Delayed Detonation From Two-Dimensional Shock Loadings, R.R. Bernecker, A.R. Clairmont, Jr., and L.C. Hudson III, USA
10.0485	Temperature Effects on Failure Thickness and the Deflagration-to-Detonation Transition in PBX 9502 and TATB, B.W. Asay and J.M. McAfee, USA
10.0490	Influence of Fresh Damage on the Shock Reactivity and Sensitivity of Several Energetic Materials, H.W. Sandusky and R.R. Bernecker, USA
10.0499	Shock Initiation Studies of Cast, Damaged, and Granulated PBXs, R.R. Bernecker and A.R. Clairmont, Jr., USA
10.0507	Effect of a Preshock on the Initiation of HMX, TATB, and HMX-TATB Compositions, J.P. Plotard, R. Belmas, M. Nicollet, and M. Leroy, France
10.0515	Numerical Modeling of an Aquarium Test for a Nonideal Explosives, J. Lee, J.H. Kuk, K.Y. Choi, and F.W. Sandstrom, South Korea and USA
10.0525	Optical Techniques for Strength Studies of Polymer Bonded Explosives, H.T. Goldrein, J.M. Huntley, S.J.P. Palmer, M.B. Whitworth, and J.E. Field, UK
10.0536	Shock Response of Pure and Sensitized (0.1wt% Ethylenediamine) Nitromethane: Time-Resolved Raman Measurements, G.I. Pangilinan and Y.M. Gupta, USA
10.0542	Radiation of Condensed Explosives and Its Interpretation (Temperature Measurement), M.F. Gogulya and M.A. Brazhnikov, Russia

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
10.0549	Temperature Measurements of Energetic Materials Containing Aluminum Using Infrared Detectors, D.L. Woody and J.J. Davis, USA
10.0555	Laser Ignition of Explosives: A LIF Study of the RDX Ignition Zone, H. Ostmark, K. Ekvall, M. Carlson, H. Bergman, and A. Pettersson, Sweden
10.0563	Detonation Reaction Steps Frozen by Free Expansion and Analyzed by Mass Spectrometry, N.R. Greiner, H.A. Fry, N.C. Blais, and R.P. Engelke, USA
10.0570	The Thermal Decomposition of Pure and Amine-Sensitized Nitrocompounds, C.P. Constantinou and M.M. Chaudhri, UK
10.0579	Pressure Dependence of the Reaction Propagation Rate of PETN at High Pressure, M.F. Foltz, USA
10.0586	The Calculation of Electrostatic Interactions and Their Role in Determining the Energies and Geometrics of Explosive Molecular Crystals, J.P. Ritchie, E.M. Kober, and A.S. Copenhaver, USA
10.0596	Thermodynamics of Detonation Products, S. McCahan and J.E. Shepherd, Canada
10.0601	Products of Al Containing Explosives Detonated in Argon and Underwater, F. Volk and F. Schedlbauer, Germany
10.0608	Thermal Stability Studies on Nitroarenes, J. Oxley, J. Smith, H. Ye, J. Wang, H. Feng, R.L. McKenney, and P.R. Balduc, USA
10.0619	Detonation Chemistry of Underwater Explosives, J.S. Deiter and G.B. Wilmot, USA
10.0628	Understanding Composite Explosive Energetics: IV. Reactive Flow Modeling of Aluminum Reaction Kinetics in PETN and TNT Using Normalized Product Equation of State, W.C. Tao, C.M. Tarver, J.W. Kury, C.G. Lee, and D.L. Ornellas, USA
10.0637	An Aluminum Reaction Time Limit in Underwater Detonation of an Encased Aluminized Explosive, J.W. Enig, USA
10.0646	A Reaction Model for Aluminized PBX Applied to Underwater Explosion Calculations, G. Baudin and D. Bergues, France
10.0656	Nonideal Detonation in a Composite CHNO Explosive Containing Aluminum, M. Cowperthwaite, USA
10.0665	Modelling Shock Initiation and Detonation in the Non-Ideal Explosive PBXW-115, D.L. Kennedy and D.A. Jones, Australia
10.0675	Time-Dependent Equations of State for Aluminized Underwater Explosives, R.H. Guirguis and P.J. Miller, USA
10.0685	The Influence of Parameter Variations on the Deflagration to Detonation Transition, R. Verbeek, A.C. van der Steen, and E. de Jong, Netherlands
10.0690	A New Look at the Run Distance Correlation and Its Relationship to Other Non-Steady-State Phenomena, P.W. Cooper, USA
10.0696	Multiple Shock Initiation of LX-17, C.M. Tarver, T.M. Cook, P.A. Urtiew, and W.C. Tao, USA
10.0704	Novelties of Detonation Phenomenon Study, A.N. Dremin, Russia
10.0709	Visualization of Modelling of Delayed Detonation in the Card Gap Test, B. Salvetat and J.F. Guery, France
10.0716	Deflagration-to-Detonation in Granular HMX: Ignition, Kinetics, and Shock Formation, J.W. McAfee, B.W. Asay, and J.B. Bdzil, USA
10.0724	A Physical Model of Shock to Detonation Transition in Heterogeneous Explosives, R. Belmas, J.P. Plotard, and C. Bianchi, France
10.0731	The Analysis of Modified Gap Test Data for Several Insensitive Explosives, E.R. Lemar, T.P. Liddiard, J.W. Forbes, G.T. Sutherland, and W.H. Wilson, USA
10.0741	Detonation Behaviour of a "Water-in-Oil" Type Emulsion Explosive Containing Glass Microballoons of Selected Sizes, M.M. Chaudhri, L.-Å. Almgren, and A. Persson, UK
10.0749	Effect of Glass Microballoons on Shock Wave Sensitivity and Detonation Critical Diameter of Condensed Explosives, B.A. Khasainov, B.S. Ermolaev, and H.N. Presles, Russia
10.0758	Shock Initiation of Nitromethane-PMMA Mixtures with Glass Microballoons, J.C. Gois, J. Campos, and R. Mendes, Portugal

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
10.0766	Isothermal and Shock Compression of High Density Ammonium Nitrate and Ammonium Perchlorate, F.W. Sandstrom, P.-A. Persson, and B. Olinger, USA
10.0777	A Numerical Study of Drop-Weight Impact Testing of Solid Rocket Propellants, K.P. Duffy and A.M. Mellor, USA
10.0786	A Frictional Work Predictive Method for the Initiation of Solid High Explosives from Low-Pressure Impacts, S.K. Chidester, L.G. Green, and C.G. Lee, USA
10.0793	An Investigation of Compression and Shear Wave Propagation in Explosives, M. Cowperthwaite and Y.M. Gupta, USA
10.0802	Comparison of Damaged-Created Voids With Other Void Types in Energetic Materials, J.B. Ramsay, H.P. Richter, and R.R. Bernecker, USA
10.0808	The Influence of Microstructure on the Sensitivity of Explosive Compositions, H. Cherin, France
10.0816	Influence of Crystal Defects on Sensitivity of Explosives, F. Baillou, J.M. Dartyge, C. Spyckerelle, and J. Mala, France
10.0824	The Initiation of Explosive Crystals by Shock or Impact, C.S. Coffey, USA
10.0831	Shock Solicitation of PETN Single Crystals Presenting Defects. Visualisation of Hot Spots Initiation, D. Spitzer and M. Samirant, France
10.0841	Detonation Parameters of Condensed High Explosive Charges with Long Ceramic Elements, I.A. Balagansky, S.V. Razorenov, and A.V. Utkin, Russia
10.0849	Interpretation of Time-to-Explosion Tests, J.E. Shepherd and T.B. Brill, USA
10.0856	On the Theory of Ignition of a Reactive Solid by a Non-Constant Energy Flux, G.A. Leiper and G.F. Roach, Scotland, UK
10.0862	A Study of the Sensitivity and Decomposition of Keto-RDX, H. Bergman, H.Östmark, K. Ekvall, and A. Langlet, Sweden
10.0870	Chemical Sensitisation in C-Nitro Explosives, M.D. Cook and P.J. Haskins, UK
10.0876	The Influence of Particle Size and Mechanical Properties on the Sensitivity of High Explosive Charges (PBX), F. Schedlbauer and A. Kretschmer, Germany
10.0885	Conception, Synthesis and Characterization of a New Insensitive High Explosive: DANTNP, P. Charrue, Ch. Wartenberg, and F. Laval, France
10.0891	Development and Characterization of a Cold-Cast Composite/Molecular Explosive, J.D. Renick and K. Bell, USA
10.0898	Effect of Inert Binder Mechanical Properties on Kinetic Parameters in HMX-Based Cast PBX, S. Lecume, P. Gimenez, J. Mala, and J.F. Guery, France
10.0909	Simulated Fragment Attack on Case Munitions, P.J. Roberts and J.E. Field, UK
10.0918	Detonation and Reaction of Class 1.1 Explosives and Propellants Due to Water Jet Impact, S.G. Giltner, O.C. Sitton, and P.N. Worsey, USA
10.0928	Simulating Sympathetic Detonation Effects, J.G. Glenn and M. Gunger, USA
10.0936	Electrostatic Discharge (ESD) Hazards of Energetic Materials, J. Covino F.E. Hudson III, D.R. Dreitzler, B. Hammant, and R.J. Lee, USA
10.0947	A Study of the Role of Homogeneous Process in Heterogeneous High Explosives, P.K. Tang, USA
10.0955	An Energy Transport Model for the Shock Initiation of Composite Explosives and Propellants, A.J. Lindfors and O.E.R. Heimdahl, USA
10.0963	Modeling Shock Initiation in Composition B, M.J. Murphy, E.L. Lee, A.M. Weston, and A.E. Williams, USA
10.0971	Computational Analysis of Slip in PETN, J.P. Ritchie, USA
10.0979	The Viscoplastic Hot Spots in Pore Collapse, P.C. Chou, D. Liang, and Z. Ritman, USA
10.0992	An Assessment of the Performance of the Original and Modified Versions of the Forest Fire Explosive Initiation Model, J. Starckenberg, USA
10.1003	The Calculation of the Constants for the Forest Fire Model, D. Liang, W.J. Flis, and P.C. Chou, USA
10.1013	Indexes of the Proceedings for the Ninth Symposium (International) on Detonation, 1989, S.L. Crane, W.E. Deal, J.B. Ramsay, A.M. Roach, and B.E. Takala, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
11.0003	Modeling the Viscoelastic and Brittle Fracture Response of a High Explosive in an Eulerian Hydrocode, S. P. Clancy, J. N. Johnson and M. W. Burket , USA
11.0012	WBL Detonation Wave Propagation for EDC35 and EDC37, A. M. Collyer, J. D. Dunnett, D. C. Swift and S. J. White, UK
11.0021	Extensions to DSD Theory: Analysis of PBX 9502 Rate Stick Data, T. D. Aslam, J. B. Bdzil and L. G. Hil, USA
11.0030	Shock and Detonation General Kinetics and Thermodynamics in Reactive Systems Computer Package, A. I. Sumin, V. N. Gamezo, B. N. Kondrikov and V. M. Raikova, Russia
11.0036	An Approach to Incorporate the Detonation Shock Dynamics into the Calculation of Explosive Acceleration of Metals, Li Qingzhong, Sun Chengwei, Zhao Feng, Gao Wen, Wen Shanggang, and Liu Wenhan, PR China
11.0045	Characterization of WO3 Loaded PBX 9502 for Use in the Measurement of Temperature Using Neutron Resonance Spectroscopy, D. J. Funk, R. L. Rabie, J. L. Mace, M. S. Shaw, C. A. Forest, V. Yuan, C. E. Ragan, D. J. Idar, L. G. Hill, J. D. Bowman and G. L. Morgan, USA
11.0054	Proton Radiography of the Detonation Front in HE Systems, J. D. Zumbro, K. J. Adams, K. R. Alrick, J. F. Amann, J. G. Boissevain, M. L. Crow, S. B. Cushing, D. Clark, J. C. Eddleman, C. J. Espinoza, E. N. Ferm, T. T. Fife, R. A. Gallegos, J. Gomez, N. T. Gray, G. E. Hogan, V. H. Holmes, S. A. Jaramillo, N. S. P. King, J. N. Knudson, R. K. London, R. P. Lopez, J. B. McClelland, F. E. Merrill, K. B. Morley, C. L. Morris, P. D. Pazuchanics, C. Pillai, C. M. Riedel, J. S. Sarracino, A. Saunders, H. L. Stacy, B. E. Takala, O. Trujillo, H. E. Tucker, M. D. Wilke, G. J. Yates, H.-J. Ziock, S. Balzer, P. A. Flores and R. T. Thompson, USA
11.0066	Moire Interferometry and Environmental Scanning Electron Microscopy, P. J. Rae, H. T. Goldrein, S. J. P. Palmer, J. E. Field and A. L. Lewis, UK
11.0076	High- and Low-Strain Rate Compression Properties of Several Energetic Material Composites as a Function of Strain Rate and Temperature, G. T. Gray III, D. J. Idar, W. R. Blumenthal, C. M. Cady and P. D. Peterson, USA
11.0085	Critical Conditions of Low and High Velocity Detonation Regimes in Liquid Nitrocompounds, G. D. Kozak, B. N. Kondrikov and A. V. Starshinov, Russia
11.0093	Low Amplitude Impact Testing and Analysis of Pristine and Aged Solid High Explosives, S. K. Chidester, C. M. Tarver and R. G. Garza, USA
11.0101	Low Amplitude Insult Project: PBX 9501 High Explosive Violent Reaction Experiments, D. J. Idar, R. A. Lucht, J. W. Straight, R. J. Scammon, R. V. Browning, J. Middleditch, J. K. Dienes, C. B. Skidmore and G. A. Buntain, USA
11.0111	Low Amplitude Insult Project: Structural Analysis and Prediction of Low Order Reaction, R. J. Scammon, R. V. Browning, J. Middleditch, J. K. Dienes, K. S. Haberman and J. G. Bennett , USA
11.0119	Heat/Structural Analysis of Confined Rocket Propellants for Predicting Cookoff Response, S. Y. Ho, Australia
11.0127	Characterization of Thermally Degraded Energetic Materials, A. M. Renlund, J. C. Miller, W. M. Trott, K. L. Erickson, M. L. Hobbs, R. G. Schmitt, G. W. Wellman and M. R. Baer , USA
11.0135	Investigation of Cook-Off-Type Test Methods, B. N. Kondrikov, Russia
11.0145	The Effects of Confinement and Temperature on the Shock Sensitivity of Solid Explosives, J. W. Forbes, C. M. Tarver, P. A. Urtiew and F. Garcia, USA
11.0153	Modeling Compaction-Induced Energy Dissipation of Granular HMX, K. A. Gonthier, R. Menikoff, S. F. Son and B. W. Asay, USA
11.0162	Programmed XDT: A New Technique to Investigate Impact-Induced Delayed Detonation, E. R. Matheson, J. T. Rosenberg, T. A. Ngo and G. Butcher, USA
11.0170	XDT Investigations by Computational Simulations of Mechanical Response Using a New Viscous Internal Damage Model, E. M. Olsen, J. T. Rosenberg, J. D. Kawamoto, C. F. Lin and L. Seaman, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
11.0181	Multi-Valued Normal Shock Velocity Versus Curvature Relationships for Highly Non-Ideal Explosives, D. L. Kennedy, Australia
11.0193	Steady-State Detonation in Ammonium Perchlorate/Aluminum Compositions with Components in Mechanical But Not Thermal Equilibrium, M. Cowperthwaite, USA
11.0204	A Model of Nonideal Detonation in Aluminized Explosives, D. J. Pastine, M. Cowperthwaite, J. M. Solomon and J. W. Enig, USA
11.0214	Effect of Metal Particle Size on the Detonation Properties of Various Metallized Explosives, P. J. Miller, C. D. Bedford and J. J. Davis, USA
11.0221	Relation Between Sensitivity, Detonability, and Non-Ideal Behavior, R. Guirguis and R. Bernecker, USA
11.0231	Comparative Analysis of the Effects of Aluminum and Aluminum Hydride on the Detonation Parameters and Performance of Mixed Explosives, A. A. Selezenev, D. A. Kreknin, V. N. Lashkov, V. N. Lobanov, A. V. Fedorov and N. A. Imkhovik, , Russia
11.0239	Modeling the Thermal Decomposition of TNAZ and NDN AZ, K. Anderson, J. Homsy, R. Behrens and S. Bulusu, USA
11.0248	Research and Development of the New Explosive Sources of Seismic Waves for Geophysical Investigations, V. E. Annikov, B. N. Kondrikov and A. T. Kazakov, Russia
11.0254	Impact-Initiated Detonative and Nondetonative Reactions in Confined Tritonal, Composition H-6, and PBXN-109, P. J. Baker and J. E. Delaney, USA
11.0266	Laser Ignition of Explosives: An Initial Study of Laser-Induced Processes in the RDX Ignition Zone, O. Launila, H. Bergman, J. Dahlberg, K. Ekvall, A. Pettersson and H. Östmark, Sweden
11.0272	Cook-Off Tests on Secondary Explosives, P. J. Cheese, R. I. Briggs, J. Fellows, P. J. Haskins and M. D. Cook, UK
11.0279	Particulated Jet Initiation of Explosives, M. Chick, T. J. Bussell, J. Starkenberg and T. M. Dorsey, Australia, USA
11.0286	The Use of Impact Techniques to Characterize the High Rate Mechanical Properties of Plastic Bonded Explosives, F. R. Christopher, J. C. Foster, Jr., L. L. Wilson and H. L. Gilland, USA
11.0293	The Kinetics of Detonation of Powder Explosives and Its Relation to Group 1 and Group 2 Behaviour, J. Cooper and G. A. Leiper, UK
11.0303	Equation of State for Detonation Products, W. C. Davis, USA
11.0309	A Study of the Microstructure of Pressed TATB and Its Evolution After Several Kinds of Insults, G. Demol, P. Lambert and H. Trumel, France
11.0317	Plane Impact Response of PBX 9501 Below 2 GPA, J. J. Dick, A. R. Martinez and R. S. Hixson, USA
11.0325	Measurement of Explosion Time as a Function of Temperature for PBX 9501, B. F. Henson, B. W. Asay, P. M. Dickson, C. Fugard and D. J. Funk, USA
11.0332	A Novel Explosively Driven Flying Plate System, C. A. Forest, R. L. Rabie, L. Bennett and J. Vorthman, USA
11.0336	Low Pressure Equation of State Measurements for Explosives Using Piston Test Techniques, J. C. Foster, J. G. Glenn, L. H. Hull, M. E. Gunger and M. A. Galloway., USA
11.0344	A Closed Water-Filled Cylinder to Characterize Non-Ideal Explosive, R. Guirguis and R. McKeown, USA
11.0353	An Optical Pyrometer for Time Resolved Temperature Measurements in Detonation Wave, B. Leal, G. Baudin, J. C. Goutelle and H.-N. Presles, France
11.0362	Synthesis, Detonation Spreading and Reaction Rate Modeling of Fine TATB, K.-Y. Lee, J. E. Kennedy, L. G. Hill, T. Spontarelli, J. R. Stine and G. I. Kerley, USA
11.0371	Ignition in Solid Energetic Materials due to Electrical Discharge, R. J. Lee, USA
11.0378	Effect of Voidage and Void Size on the Detonation of Aerated Liquids, G. A. Leiper and J. Cooper, UK
11.0384	Detonation Properties of Insensitive Cast PBX's at Low Temperature, J. Mala, J. Groux and Y. Bigot., France
11.0391	Explosive Morphology from Fractal Analysis of Micrographs, J. M. McAfee, C. B. Skidmore, G. S. Cunningham and R. A. Nelson, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
11.0399	Double Initiation and Mach Formation in PBX, R. Mendes, I. Plaksin and J. Campos, Portugal
11.0406	Laser Ignition of Unconfined Secondary Explosives: A Parametric Study, A. Pettersson, J. Pettersson and N. Roman, Sweden
11.0412	Diode Microscopic Mechanisms Leading to the Ignition (Initiation), iHot Spots (Initiation Sites), Deflagration, Detonation in Energetic Materials, A. L. Ramaswamy, USA
11.0422	A Fast Rise-Time, Fiber Optic Pin, F. Roesk, USA
11.0428	Hazard Tests on a Heated TATB-Based High Explosive, H. W. Sandusky, S. A. Andrews, K. E. Alexander, N. Ari and E. Plute, USA
11.0434	Modeling Burn Rate Phenomena of Damaged Energetic Materials, R. G. Schmitt, T. A. Baer, A. M. Renlund and S. B. Margolis, USA
11.0443	Nanostructure of Defects and Hot Spots of Explosives as Revealed by an Atomic Force Microscope, J. Sharma, R. W. Armstrong, W. L. Elban and C. S. Coffey, USA
11.0451	Electromagnetic Gauge Measurements of Shock Initiating PBX9501 and PBX9502 Explosives, S. A. Sheffield, R. L. Gustavsen, L. G. Hill and R. R. Alcon, USA
11.0459	Kinetic Information from Detonation Front Curvature, P. C. Souers and R. Garza, USA
11.0466	Enhancement of Underwater Shock Wave by Metal Confinement, K. Takahashi, K. Murata, A. Torii and Y. Kato, Japan
11.0475	Numerical Modeling of Non-Ideal Explosives Using Multiple Reaction Rates, R. L. Abernathy, M. G. Leone and P. E. Williams, USA
11.0480	Stability of the Graphite and Diamond Phases of Finite Carbon Clusters, N. W. Winter and F. H. Ree, USA
11.0490	First-Principles Study of High Explosive Decomposition Energetics, C. J. Wu and L. E. Fried, USA
11.0498	Elastic Constants of β -HMX and Tantalum, Equations of State of Supercritical Fluids and Fluid Mixtures and Thermal Transport Determinations, J. M. Zaug, USA
11.0513	Analysis of Post Detonation Products of Different Explosive Charges, F. Volk and F. Schedlbauer, Germany
11.0521	Use of Time-Resolved Optical Spectroscopy to Understand Shock-Induced, Decomposition in Nitromethane, Y. A. Gruzdkov, J. M. Winey and Y. M. Gupta, USA
11.0525	Static and Dynamic Pressure Effects on the Thermolysis of Nitroalkanes in Solution, K. R. Brower, L. L. Davis, D. L. Naud and Jiang Wang, USA
11.0533	A Zero-Dimensional Model of Experimental Thermal Decomposition of HMX, R. Behrens, Jr., S. B. Margolis and M. L. Hobbs, USA
11.0547	Shear Deformation in Granular Material, S. G. Bardenhagen, J. U. Brackbill and D. L. Sulsky, USA
11.0556	The Evolution of Microstructural Changes in Pressed HMX Explosives, C. B. Skidmore, D. S. Phillips, P. M. Howe, J. T. Mang and J. A. Romero, USA
11.0565	Initiation of Explosives Under High Deformation Loading Conditions, W. H. Wilson, D. G. Tasker, R. D. Dick and R. J. Lee, USA
11.0573	Modeling the Mechanical Ignition of Energetic Materials, G. A. Ruderman, D. S. Stewart and E. Fried, USA
11.0581	The Response of Homogeneous Explosives to Projectile Attack, H. R. James, M. D. Cook and P. J. Haskins, UK
11.0589	Development and Implementation of an Ignition and Growth Model for Homogeneous and Heterogeneous Explosives, M. D. Cook, P. J. Haskins and C. Stennett, UK
11.0599	Hot Spot Growth in a Thermal-Chemical-Mechanical Reactive Flow Model for Shock Initiation of Solid Explosives, C. M. Tarver and A. L. Nichols III, USA
11.0606	Observation of the Behaviour of Confined PBX 9501 Following a Simulated Cookoff Ignition, P. M. Dickson, B. W. Asay, B. F. Henson and C. S. Fugard, USA
110.612	Constitutive Modeling of Weak and Strong Shock-Initiation of Porous Explosives, L. S. Bennett, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
11.0621	An Assessment of the Performance of the History Variable Reactive Burn Explosive Initiation Model in the CTH Code, J. Starkenberg and T. M. Dorsey, USA
110.632	Development of a Viscous Internal Damage Model for Energetic Materials Based on the BFRAC T Microfracture Model, L. Seaman, J. W. Simons, D. C. Erlich, E. Olsen, J. T. Rosenberg and E. Matheson, USA
11.0640	Experimental Determination of Shock and Detonation Wave Profiles During Shock to Detonation Transition for Different Initiation Modes, R. H. B. Bouma, S. Sauvage and A. C. van der Steen, Netherlands
11.0649	Reaction of HMX-Based Explosive Caused by Regular Reflection of Shocks, R. E. Winter, P. Taylor and D. A. Salisbury, UK
110.657	Explosive Crystal Microstructure and Shock-Sensitivity of Cast Formulations, L. Borne, France
11.0664	Effect of Explosive Formulation Components on Detonation Parameters, I. E. Hooton and C. Bélanger, Canada
110.670	Trends in the Shock Initiation of Heterogeneous Explosives, P. M. Howe, USA
11.0679	Pulsing Behavior and Corner Turning Effect of PBX, I. Plaksin, J. Campos, R. Mendes, J. Ribeiro and J. C. Gois, Portugal
11.0686	Modeling of Fast Deflagration to Detonation Transition in Porous PETN, A. P. Ershov, Russia
11.0693	Experimental Study of the Low Velocity Detonation Regime During the Deflagration to Detonation Transition in a High Density Explosive, F. Leuret, F. Chaissé, H. N. Presles and B. Veyssière, France
11.0701	Experimental and Numerical Study of XDT Using the Double Card Gap Test, Y. Guengant and M. Quidot, France
11.0707	Reactive Behavior of Cast PBX's Including Different Inert Binders, M. Dervaux, S. Lecume and J. Mala , France
110.717	Multiple-Shock Initiation via Statistical Crack Mechanics, J. K. Dienes and J. D. Kershner, USA
11.0725	Numerical Modeling of Shear Band Formation in PBX-9501, T. N. Dey and J. R. Kamm, USA
11.0735	A Micromechanic Model for Shock to Detonation Transition of Solid Explosives, J. Massoni, R. Saurel, G. Demol and G. Baudin, France
11.0744	Mechanical Failure of Composite Plastic Bonded Explosives and Other Energetic Materials, D. A. Weigand, USA
11.0751	Initiation of Crystalline Explosives Due to Energy Dissipated During Plastic Flow, C. S. Coffey and J. Sharma, USA
11.0758	An Estimate of Solid Viscosity in HMX, P. A. Conley and D. J. Benson, USA
11.0768	Microstructural Effects in Shock Initiation, P. A. Conley, D. J. Benson and Philip M. Howe, USA
11.0781	Dynamic Measurement of the Influence of Projectile Radius and Velocity on Strain Localization During Impact of an Energetic Material, B. W Asay, P. M. Dickson, B. Henson, C. S. Fugard, D. J. Funk and D. J. Idar, USA
11.0788	Micromechanical Modeling of Heterogeneous Energetic Materials, M. R. Baer, M. E. Kipp and F. van Swol, USA
11.0801	Sensitivity and Performance Characterization of Ammonium Dinitramide (ADN), S. Karlsson and H. Östmark, Sweden
11.0807	FOX-7 — A New Explosive with Low Sensitivity and High Performance, H. Östmark, A. Langlet, H. Bergman, N. Wingborg, U. Wellmar and U. Bemm, Sweden
11.0813	Laser Induced Ultrafast Chemical Decomposition in HMX, RDX, TNAZ, and DMNA, C. Capel, USA
11.0821	Progress in Measuring Detonation Wave Profiles in PBX9501, R. L. Gustavsen, S. A. Sheffield and R. R. Alcon, USA
11.0828	A Small-Scale Screening Test for HE Performance: Application to the New Explosive LLM-105, J. L Cutting, H. H. Chau, R. L. Hodgkin, D. M. Hoffman, F. Garcia, R. S. Lee, E. McGuire, A. R. Mitchell, P. F. Pagoria, R. D. Schmidt, R. L. Simpson, P. C. Souers and R. W. Swansiger, USA
11.0836	Detonation Reaction Zones of Solid Explosives, S. N. Lubyatinsky and B. G. Loboiko, Russia

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
11.0847	Global Reaction Rates of the Laser-Induced Decomposition of Ammonium Perchlorate at Static High Pressures, G. I. Pangilinan and T. P. Russell, USA
11.0852	Cookoff of Energetic Materials, M. R. Baer, M. L. Hobbs, R. J. Gross and R. G. Schmitt, USA
11.0862	Modeling Thermally Driven Energetic Response of High Explosives, A. L. Nichols III, R. Couch, R. C. McCallen, I. Otero and R. Sharp, USA
11.0872	Burn Rates of Pristine and Degraded Explosives at Elevated Pressures and Temperatures, J. L. Maienschein and J. B. Chandler, USA
11.0883	Monte Carlo Calculations of the Anisotropic Engineering Moduli for Crystalline RDX ($0 \text{ GPa} \leq p \leq 4 \text{ GPa}$), C. M. Bennett and T. D. Sewell, USA
11.0899	Detonation Modeling with an In-Line Thermochemical Equation of State, L. E. Fried, M. J. Murphy, P. C. Souers, B. J. Wu, S. R. Anderson, E. M. McGuire, and D. E. Maiden, USA
11.0897	Molecular Dynamics Studies of Fast Decomposition in Energetic Molecules, P. J. Haskins, M. D. Cook, J. Fellows and A. Wood, UK
11.0904	Externally Enhanced Detonation, A. P. Ershov and D. A. Medvedev, Russia
11.0909	Predicting PBX-9404 Initiation and Detonation Data with a Calibrated Reaction Model, Y. Partom, Israel
11.0917	Molecular Processes in Nitroaromatic Explosives: Proof and Internal Control of the Nitro-Nitrite Rearrangement, T. B. Brill and K. J. James, USA
11.0924	The Level-Set Method Applied to the Relaxed Jouguet Model: Numerical Results vs. Experiments, M. Debruyne and F. Enot, France
11.0933	A Theoretical Equation of State for Detonation Products, M. S. Shaw, USA
11.0942	Equation of State of Insensitive High Explosives, F. H. Ree, J. A. Viecelli and M. van Thiel, USA
11.0951	Equations of State of Unreacted High Explosives at High Pressures, C.-S. Yoo, H. Cynn, W. M. Howard and N. Holmes, USA
11.0958	Extension of the JCZ Product Species Database, M. L. Hobbs, M. R. Baer and B. C. McGee, USA
11.0969	Thermodynamics and Sound Speeds at the Chapman-Jouguet State, J. N. Fritz and C. A. Forest, USA
11.0979	Detonation Waves in HMX/AL Mixtures (Pressure and Temperature Measurements), M. F. Gogulya, A. Yu. Dolgoborodov, M. A. Brazhnikov and G. Baudin, Russia, France
11.0989	Combustion of Nanophase Aluminum in the Detonation Products of Nitromethane, G. Baudin, A. Lefrançois, D. Bergues, J. Bigot and Y. Champion, France
11.0998	Kinetic Modeling of Non-Ideal Explosives with CHEETAH, W. M. Howard, L. E. Fried and P. C. Souers, USA
11.1007	Detonation Like Phenomena in Metal-Polymer and Metal/Metal Oxide-Polymer Mixtures, J. J. Davis, A. J. Lindfors, P. J. Miller, S. Finnegan and D. L. Woody, USA
11.1017	Sharp Change of Failure Diameter Value at the Transition from Stable to Unstable Detonation of Liquid Explosives, A. N. Dremin, Russia
11.1023	An Experimental Study of Detonation Propagation in the Arc Insensitive High Explosive Initiated on the Basal Plane, Zhao Tonghu, Li Qingzhong, Zhao Feng, Sun Chengwei, Han Lishi, He Zhi and Gao Wen, PR China
11.1029	Front Curvature Rate Stick Measurements and Detonation Shock Dynamics Calibration for PBX 9502 Over a Wide Temperature Range, L. G. Hill, J. B. Dzil and T. D. Aslam, USA
11.1038	Reduced Yield Detonation Characteristics in Large Failure Diameter Materials, J. E. Reaugh, E. L. Lee, J. L. Maienschein, A. L. Nichols III, C. I. Merrill and R. R. Lambert, USA
11.1049	Dynamic Equation of State and Strength Properties of Unreacted PBXW-128 Explosive, D. E. Grady, L. C. Chhabildas, W. D. Reinhart, L. T. Wilson, USA
11.1058	A Study of the Overdriven Behaviors of PBX 9501 and PBX 9502, P. K. Tang, W. W. Anderson, J. N. Fritz, R. S. Hixson and J. E. Vorthman, USA
11.1065	Comparison of Williamsburg and JWJ Equations of State for Nitromethane, J. D. Dunnett, D. C. Swift and M. Braithwaite, UK, Scotland
11.1073	Optimized JCZ3 Procedures for the Detonation Properties of Explosives, E. L. Baker and L. I. Stiel, USA

A. Titles Index (Continued)

Sy. Pg	Title, Authors, Country
11.1082	Analytic Equation of State for SX-2, H. D. Jones, P. K. Gustavson and F. J. Zerilli, USA
11.1088	E,V,T and P,V,T Equations of State of Reaction Products at High Pressure and Temperature, D. J. Pastine, USA
11.1101	Detonation and Combustion of High Explosives: A Selected Bibliography, B. Dobratz, USA
11.1145	Index of the Proceedings for the Ten International Symposia on Detonation 1951-1993, W. E. Deal, J. B. Ramsay, A. M. Roach, and B. E. Takala, USA

B. Topic Phrase Index

Alphabetic

Subject	Sy.Pg	Subject	Sy.Pg
1DUCT model of HMX porous bed response	9.0280	ADNT performance	9.0478
2D axisymmetric shock initiation	9.0077	ADNT, eutectic composite explosive	7.0801
2DUCT model of HMX porous bed response	9.0280	Aerated liquid, detonation effects	11.0378
Abel co-volumes, computed velocity	2.0237	Aerating explosive gelatine, low-v detonation	2.0582
Abel EOS, hard-sphere gas model, low density	2.0406	AFATL 8-inch gap test	9.1284
Abel EOS, limits in homogeneous explosives	4.0190	AFX-902 performance	9.0478
Abel EOS, $P(V-\alpha) = R_t$, curvature effects	1.0094	Aggregate reactivity	9.0246
Abel EOS, simplified Van der Waals', Cook's	1.0072	Aging effects	11.0093
ABH, detonation properties, carbon EOS	8.0528	Air bubble effect, sensitizing nitroglycerin	3.0455
Absorption spectroscopy, shocked benzene	9.0190	Air gap effect, initiator & main charge, model	8.0399
Accelerated combustion in DDT	9.0259	Air gap effect, propagating in cast TNT	8.0409
Acceleration wave speeds, PMMA, calculated	5.0589	Air gap sensitivity test	1.0024
Acceptor explosive pressure histories	8.1144	Air gap sensitivity vs loading density, tetryl	2.0631
Accident scenario simulations	8.0211	Air mixture, calculated shock parameters	3.0389
Accident scenario, tank cars of liquid HE	6.0116	Air shock pressures from donor charges, gap	3.0794
Accumulation mechanism for polyatomic molecules	9.0724	Air shocks in air gap (peripheral)	8.1069
Acetylene-O ₂ mixtures	2.0256	Air shocks, camera records	1.0009
Acetylene-O ₂ mixtures, D vs calculations	2.0198	Air shocks, camera records	3.0390
Acoustic & optical phonon modes	9.0235	Air shocks, sympathetic detonation	3.0531
Acoustic approximation for detonation gases	9.0560	Air vs vacuum, effects of AP sensitivity	4.0359
Acoustic approximation, CJ detonation	4.0523	Airblast effects, prediction from shell model	5.0491
Acoustic approximation, CJ pressure calc.	2.0394	Airblast effects, reactively cased HE	8.0207
Acoustic impedance, shock transmission	2.0629	Airblast effects, shock pressure variation	6.0777
Activation energies, NM parameters	8.0856	Air-chambers probe, spherical detonation	5.0032
Activation energies, steady flow	6.0406	Air-compression & deformation, HE sensitivity	9.1460
Activation energies, time-to-explosion plots	8.1115	Air-match points, Deal's	4.0063
Activation energy from time-to-explosion	9.0228	Air-reaction products interface, P vs u_p	3.0386
ADDF, liquid HE, characterization	6.0467	Al(ClO ₄) ₃ /HMX formulations, cylinder tests	5.0137
Additive density, diameter effects in NM	7.0583	Al ₂ O ₃ formed as product	4.0168
Additives in RDX/TNT, asbestos, alumina, etc.	5.0465	ALEX 20 & 32, BKW model & performance data	3.0731
Adiabatic & Hugoniot curves for mixed phases	4.0248	Alien, 2D Lagrangian model, initiation	8.0399
Adiabatic collapse, bubbles to hot spots	7.0373	Aliphatic compounds, OB/100, sensitivity test	3.0677
Adiabatic compression of gases, sensitivity	7.0007	Allison polarization, shock-induced signals	5.0387
Adiabatic curves, theoretical explosives	6.0553	Alumina effect in RDX/TNT	5.0465
Adiabatic elastic moduli of PETN	6.0396	Aluminized ANFO, aquarium tests	7.1016
Adiabatic expansion, detonation products	8.0602	Aluminized blasting agents, characterization	6.0734
Adiabatic furnace, dynamite packaging hazard	7.0043	Aluminized explosive, theoretical behavior	10.0656
Adiabatic gamma = 3, flow to rigid piston	3.0207	Aluminized explosives, performance	9.0478
Adiabatic gamma, predicted	7.0646	Aluminized explosives, performance	10.0267
Adiabatic gamma, sensitivity to molecular props.	9.0513	Aluminized HE, electric spark initiation	3.0706
Adiabatic shear bands, role in initiation	9.1276	Aluminized HE, expansion work	6.0547
Adiabats in mixed phase, compressibility	4.0250	Aluminized HE, for underwater bombs	1.0111
ADN, sensitivity and performance of	11.0801	Aluminized HE, low brisance, high blast	2.0733
ADNBF, shock sensitivity	9.0561	Aluminized HE, underwater & in argon	10.0601
ADNBF, shock sensitivity, phys., chem. properties	9.0560	Aluminized HE, vs perfluorinated HE	7.0949
		Aluminized HMX, DDT studies	7.0119

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Aluminized PBX, reaction model	10.0646	Aluminum Comp B, effect on velocity	6.0510
Aluminum effect on detonation products	10.0619	Aluminum reaction time, underwater & encased	10.0637
Aluminum particle reaction, underwater explosion	9.0641	Aluminum reaction, delay, infrared detectors	10.0549
Aluminum reaction, non-ideal explosives	10.0273	ANFO, axial fuse initiation vs normal booster	4.0156
Aluminum silicofluoride, light enhancement	3.0833	ANFO, bubble energy, underwater expansion	6.0546
Aluminum, 6061, conc. effect, NM/PMMA/Al	6.0129	ANFO, calculated blasting performance	8.0987
Aluminum, 6061, detonation performance effect	8.1004	ANFO, chemistry of external plasmas	3.0186
Aluminum, 6061, effect on wave propagation	4.0295	ANFO, critical density, diameter effect	4.0179
Aluminum, 6061, endothermic effect at CJ plane	2.0736	ANFO, density, cd, D, experimental pressure	3.0381
Aluminum, 6061, exploding foils, initiation studies	6.0654	ANFO, explosive performance characterized	6.0729
Aluminum, 6061, inclusions, incr. shock effects	4.0393	ANFO, lateral shock pressure measurements	4.0095
Aluminum, 6061, preheat, preshock, P-V-E data	4.0213	ANFO, nonideal detonation	3.0309
Aluminum, 6061, shock wave photo	4.0570	ANFO, pneumatically loaded, double pipe	8.0390
Aluminum, 6061, spall from oblique shock waves	3.0253	ANFO, self-luminosity photos, Kerr cell	6.0424
Aluminum-copper composites, shock loading	6.0151	ANFOAL, bubble energy, underwater expansion	6.0546
AMATEX 20, diameter-effect parameters	6.0647	ANFO-type booster, properties	4.0435
AMATEX 20, particle velocities, Lagrange gauge	7.1072	Angle of expansion, calculated for TNT	2.0451
AMATOL 60/40, curvature effect on shock wave	1.0099	Angular distribution of detonator impulse	3.0300
AMATOL, plate dent and cylinder test data	7.0550	Antimony, Hugoniot data	6.0602
AMATOL, wave shape studies, r/D	2.0503	Anvil, Al, thermal decomposition, confined HE	6.0214
Amine nitrate (aq.), Threshold v, burn rate	6.0119	Anvil, sensitivity test, low-velocity impact	4.0473
Amine-sensitized nitro compounds	10.0570	AP decomposition, laser induced	11.0847
AMMO, time to explosion	9.0228	AP, DDT studies	7.0151
Ammonia effects, cobalt amine azide	3.0054	AP, diameter effect, D vs 1/d, limit data	4.0183
Ammonia-nitromethane complex calculations	9.1027	AP, diameter effect, reaction zone thickness	4.0097
Ammonit, booster study, critical diam & mass	4.0435	AP, growth to detonation, interferometry	4.0584
Ammonium dynamite, critical pressure/density	4.0185	AP, Hugoniot curve with Rayleigh line	4.0188
AMORC kinetics, heterogeneous explosive	10.0724	AP, mechanical properties, drop weight	8.0642
Amplitude-time dependence for go/no-go	3.0798	AP, performance model	7.0517
AN emulsion HE, D vs density	9.0573	AP, propellants, properties, parameters	7.0191
AN, detonation velocity & pressure	9.0560	AP, reaction profiles	11.0294
AN, effect in RDX/TNT	5.0465	AP, shock and isothermal compression	10.0766
AN, emulsion HE with 70%	9.0621	AP, shock initiation of low-density pressings	4.0359
AN, eutectics	7.0801	AP, shock loading	9.0879
AN, experimental vs computed Hugoniot	6.0773	AP, single crystals, shock loading	9.1260
AN, improved performance, cosolidification	6.0439	AP, sympathetic detonation by NQ	6.0173
AN, particle size effects	10.0267	AP, time to explosion	9.0228
AN, sensitivity, cavitation effect	7.0373	AP/Al reaction modeling	11.0193
AN, shock and isothermal compression	10.0766	AP/Al/NC propellant, card gap sensitivity	3.0822
AN/ADNT mixes, sensitivity of eutectics	7.0801	AP-loaded EBW initiation	4.0452
AN/Al explosives	10.0267	Aquarium gap test, damaged energetic material	9.1295
AN/Al, v-D curves, wave shape vs D, kinetics	2.0733	Aquarium technique, detonation pressure	5.0059
AN/HMTA, limit data, diffusion effects	4.0184	Aquarium technique, P, streak camera trace	3.0382
AN/TNM, BKW model & performance data	3.0731	Aquarium test, aluminized ANFO	7.1016
AN/TNT, density, D, cd, P	3.0376	Aquarium test, ANFO, nonideal detonation	3.0315
AN/TNT/Al, axial initiation vs booster	4.0156	Aquarium test, detonation performance	7.0801
AN-based HE, very small reaction zone length	8.0993	Aquarium test, detonation pressure in EA	7.0549
Andersen-Parlin EOS, harmonic oscillator	2.0406	Aquarium test, lateral shock pressure	4.0092
ANFO, aluminized, aquarium tests	7.1016	Aquarium test, mapping failure waves	5.0115

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Aquarium test, modeling non-ideal explosives	10.0515	B 2161, ballistic classification	8.0626
Aquarium test, one to several hundred kbar P	3.0357	B 2169, (PETN), Mach phenomena study	8.0431
Aquarium test, shock pressure < detonation	3.0152	B 2174, [HMX/AP/Pb(NO ₃) ₂], Mach study	8.0431
Aquarium test, subignition reactions	8.0727	B 2174, ballistic classification	8.0626
Aquarium test, TATB/HMX	7.0573	B 2190, (PETN/HTPB), Mach phenomena	8.0431
Aquarium test, X-0233, detonation behavior	8.0979	B 2191, [HMX/AP/Pb(NO ₃) ₂], Mach study	8.0431
Aqueous emulsion HES	9.0545	B 2192, [HMX/AP/Pb(NO ₃) ₂ /Pu], Mach study	8.0431
Arc experiment	9.0730	B 2214, properties	9.1008
Area of shock loading, initiation threshold	9.0066	B 3003, (HMX/NC-NGL), Mach phenomena	8.0431
Argon, thermodynamic properties	8.0815	Ball propellant data, four porosity levels	9.0363
Aromatic nitro compounds, sensitivity & OB	3.0700	Ball propellant, DDT studies	9.0354
ARP propellant, detonability in DDT study	3.0642	Ball propellants, compaction, single-, double-based	9.0341
Arrhenius constants, NQ, TATB, HMX, PETN	8.0043	Ball-bearing impact sensitivity test	3.0001
Arrhenius kinetics, HNS	9.0209	Ballistic capacity vs shaped charge	8.0630
Arrhenius kinetics, initiation & propagation	6.0405	Ballistic impact chamber (BIC) test	9.1243
Arrhenius one-step unimolecular reaction	9.0219	Ballistic impact, initiation of violent reaction	10.0032
Arrhenius parameters, thermal decomposition	7.0091	Ballistic mortar test, MN sensitivity	5.0268
Arrhenius plots, intermediate radical growth	7.0080	Ballistite transition, DDT in AP	7.0156
Arrhenius rate, shock-strength modified	7.0385	Balloon test, underwater HE detonation	9.0626
Arrhenius to non-Arrhenius kinetics	9.0235	Baratol, density, shock & particle velocities	4.0245
Artificial viscosity calculation, underwater	5.0597	Baratol, detonation product EOS	9.1378
ARTOO, 2D Lagrangian propagation code	9.0209	Baratol, diameter-effect parameters	6.0647
Asbestos effect in RDX/TNT	5.0465	Baratol, free-surface motion, precursor waves	4.0579
ASM probe, particle velocities, test setup	6.0637	Baratol, Hugoniot	9.0379
ASM probe, record	5.0451	Baratol, in modified gap test	7.0279
Atmosphere effect, circuit-recorded voltage	2.0142	Baratol, overdriven shocked states	5.0533
Atomic force microscopy	10.0181	Baratol, perpendicular driver, aluminum, x ray	6.0602
Atomic force microscopy	11.0443	Baratol, plate impact pressure profiles	3.0246
Attenuating shock waves, elastoplastic effect	4.0277	Baratol, products EOS	9.1378
Attenuator Hugoniot and rarefaction locus	3.0501	Baratol, P-t profile, sulfur conductivity	3.0241
Autoignition after travel, Zeldovich	1.0049	Baratol, UK, wave shapes in rods	9.0784
Axial curve vs reaction zone vs diameter	8.0159	Baratol, wave shape studies, r/D	2.0503
Axial initiation vs normal booster initiation	4.0156	Baratol, wax gap test	1.0023
Axial initiation, multicomponent HE charges	4.0156	Baratol/Al wave diagrams, manganin gauge study	6.0631
Axisymmetric detonation wave velocities	8.0155	Baratol/Comp B plane wave shaper, retonation	4.0426
Axisymmetric electromagnetic probe (ASM)	5.0447	Baratol/TNT, density, D, cd, P	3.0376
Axisymmetric explosion analysis code	3.0226	Bartlett's test, least-squares fits	3.0335
Axisymmetric flow, spherical shock, slurry	8.0168	Base gap effect on Comp B, TNT sensitivity	7.0914
Axisymmetric impact, propellants D and E	8.0285	BDNPA/BDNPAF concentration, effects on HE	9.1014
Axisymmetric wave propagating in a half-space	5.0493	Benzene, shocked, absorption spectroscopy	9.0190
Azide, time to explosion	9.0228	Benzene/TNM, BKW model & performance data	3.0728
Azides, detonation velocity, size effects	2.0561	Benzofuroxans, substituted, shock sensitivity	9.0566
Azides, explosive, electrical initiation	6.0390	Benzotrifuroxan, polymorphs	10.0160
Azides, photolysis & thermolysis (N ₃ , exciton)	3.0843	Benzoyl peroxide, thermal decomposition	7.0027
B 2141, diverging detonations	7.0408	Berger's vector	9.0058
B 2141, flyer plate, critical surface area	7.0320	Beryllium wall, effect on D of EDC35	9.0831
B 2142, ballistic classification	8.0626	Beryllium, elastic-plastic behaviour	5.0467
B 2142, diverging detonations	7.0408	BFRACT	11.0632
B 2161, (HMX/AP/Al), Mach phenomena	8.0431	BH-1, (RDX+), detonation parameters	8.0440

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
BH-1, Hugoniot, velocity/pressure data	8.0083	Booster properties, critical diameter vs mass	4.0435
Bichromator, temperature, Raman band	7.1010	Booster sensitivity test setup, scaling tests	2.0623
Bimetallic & metal semiconductors, shocked	5.0403	Booster studies, TATB initiation, model	8.1045
Bimetallic e.m.f. generation in shocks	5.0403	Boosting effect on steady detonation velocity	6.0642
Bimodal formulations	9.0018	Borehole, charge with air shock ahead of front	8.1070
Bimodal velocity distribution, ANFO	3.0325	Boron nitride, polymorphic transformation, deton.	9.0766
Bimolecular decomposition	6.0308	Boundary angle experiments	11.0015
Binary mixtures, melting points (eutectics)	6.0470	Boundary conditions corresponding to piston	3.0541
Binder concentration, effect on PBX properties	9.1014	Boundary conditions, strong point explosion	6.0591
Binder properties, effect on HMX kinetics	10.0898	Boundary rarefaction effects, release wave	3.0267
Binder, effect on explosiveness	8.1035	Bow wave shock initiation	9.1404
Binder, improved inert, detonation effects	7.0560	Bow wave, desensitizing effect	8.0318
Biplanar observation, detonative centers	8.0330	Bow wave, effects on detonation	3.0802
Birch's isotherm	9.0050	Bow waves, desensitizing effect	10.0069
Bis- & tris-difluoramino perfluorobutane	7.0940	Bow waves, initiation	10.0069
Bis(2,2,2,-Trinitroethyl-N-nitroethylenediamine	9.0995	Bow-wave effects	11.0280
Bis-difluoroamino alkanes, critical diameter	5.0089	Brass wall, effect on EDC35 detonation velocity	9.0831
Bis-difluoroamino alkanes, shock initiation	5.0237	Brazilian test & laser speckle, tensile strength	9.0886
Bismuth phase transition, electrical junction	6.0151	Brazilian test geometry, drop weight test	8.0635
BKW calculations and cylinder test results	8.1137	Bridgewire (Cu & Nichrome) initiation, RDX	3.0088
BKW calculations for RDX/TNT mixtures	6.0517	Brightness temperature, mean, liquid HEs	7.0762
BKW calculations, detonation performance	3.0725	Brightness temperature, nitromethane	7.0768
BKW calculations, emulsion HE, D vs density	9.0573	Brightness temperature, nitromethane flyers	7.1002
BKW code, spherical explosions underwater	5.0603	Brightness temperature, overdriven NM	8.0427
BKW EOS, carbon calc in detonation products	4.0599	Brisance defined, aluminized explosives	2.0734
BKW EOS, HOM fit parameters for Comp-B	10.0201	Brisance factors in donors	2.0628
BKW EOS, QUATUOR code	8.0763	Brittle fracture	11.0003
BKW equation, EOS for detonation gases	1.0073	Brittle-type fractures in steel plates	1.0037
BKW model, HMX/AP/Al propellant	7.0620	Bruceton method described, 50% firing	2.0622
BKW model, hot-spot temperature	7.0348	Bruceton method, impact velocity, 50% probable	6.0682
BKW model, postdetonation behavior	7.0646	Bruceton test, drop-weight impact test	3.0001
BKW, calculated properties for 95 HE's	10.0414	Bruceton test, HE-wax sensitivity	7.0337
BKW-HOM EOS vs data, 1D calib., Comp B-3	5.0008	Bruceton-type direct-contact sensitivity test	4.0407
Blackbody radiation in liquid HE	7.0759	BTF performance	9.0478
Blackbody spectral intensities, 3000-6000 K	1.0015	BTF, CJ properties, oxygen balance	8.0547
Blast wave, 500-kg emulsion HE test	9.0621	BTF, experimental & calculated CJ parameters	6.0713
Blast waves in liquids, initial stages	6.0502	BTFMA, liquid HE, characterization	6.0467
Blasting caps, stresses generated	3.0285	BTNEN, adiabats calculated for energy release	3.0740
Blasting performance, commercial explosives	8.0985	BTNEN, impact sensitivity, critical temp	3.0069
BO-1, HMX explosive, retonation effect	8.0093	BTX, high-temperature EBW detonator explosive	6.0460
Boltzman EOS, gaseous HEs	9.0933	Bubble & spike interface, 2 fluids	4.0305
Boltzmann EOS, QUATUOR code	8.0764	Bubble effects, cavity initiation, gap test	2.0676
Boltzmann vibrational temperatures, calculated	8.0691	Bubble effects, compressive heating	7.0009
Bomb tests, TNT in DDT study	3.0637	Bubble effects, detonation performance	11.0378
Bond dissociation energies	11.0495	Bubble effects, LVD study	5.0086
Bond polarity and decomposition	7.0069	Bubble effects, shock wave interaction, NM	3.0489
Bond scission reactions, unimolecular	8.0827	Bubble effects, underwater explosions	1.0008
Bond scission, excited electronic state	7.0093	Bubble energies, underwater detonations	6.0540
Booster HE, emp velocity gauges	8.0447	Bubble energy, underwater HEs	9.0633

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Bubble pressure vs time, liquid IHE model	6.0121	Camera record, inverse multistreak	7.0753
Bubble pulsation energy, fraction of original	6.0559	Camera record, laser initiation, lead azide	7.0738
Bubbles & voids, initiation by	9.0857	Camera record, retonation, divergent waves	4.0428
Buckingham potential, intermolecular energy	2.0437	Camera record, streak, Chinese	7.0749
Buckingham potential, modified for EOS model	7.0716	Cap sensitivity of emulsion HEs	9.0585
Buckingham-Kees potential	9.0513	Capacitor discharge testing of HEs	9.1076
Buildup to detonation, impacted HMX, TATB	8.0346	Capture & analysis of detonation products	9.0621
Buildup to detonation, smear camera, RDX/Al	3.0708	Carbamates & dicarbamates, SF ₅	9.1162
Bullet impact, results, sensitiveness	2.0703	Carbohydrate-metal composites, potential as HEs	9.0972
Bullet impact, sensitiveness vs gap test	2.0644	Carbon behind shock front	9.0396
Bullet impact, single-crystal sensitivity	2.0471	Carbon clusters	11.0480
Bullet impact, test, setup	6.0684	Carbon clusters and melt line, soot examination	9.0417
Bullet impact, test, single-crystal sensitivity	2.0471	Carbon condensation	9.0417
Bullet impact, test, TATB/HMX mixtures	7.0572	Carbon condensation, in shocked benzene	9.0190
Burn fraction in Eulerian coordinates	3.0724	Carbon EOS	9.0443
Burn model, 1D SDT of RDX, mesh size, P	9.1224	Carbon monoxide/O ₂ , normal detonation wave	1.0045
Burn model, compressible solids & gases	7.0234	Carbon resistor pressure gauge	9.0537
Burn model, explicit hot spots	8.0052	Carbon tetrachloride, NM diluent	6.0133
Burn model, hydrodynamic motion	5.0487	Carbon, condensation effects	9.0743
Burn model, nondetonative, venting	7.0175	Carbon, Hugoniot data, graphite and diamond	8.0552
Burn model, slurries and emulsions	8.0985	Carbon, phase changes, effect on detonation	9.0425
Burn pressure in underwater & gap tests	4.0494	Card gap test, delayed detonation	7.0265
Burn probability vs impact velocity, ammo	6.0689	Card gap test, low-pressure, long duration	8.0228
Burn rate anomalies, Comp B, TNT, M30A1	7.0898	Card gap test, setup	3.0824
Burn rate measurements of explosives	11.0872	Card gap test, SPHF plate shock pressure	3.0150
Burn rate parameters vs pressure exponent	5.0191	Card-gap test	10.0709
Burn rate vs pressure, DDT	3.0635	Carnahan-Starling (CS) EOS, QUATUOR code	8.0764
Burn rates at higher pressures	3.0078	Carnahan-Starling (CS) hard-sphere EOS	8.0805
Burn rates of solid HE, sensitiveness	2.0651	Carrol & Holt particle-to-particle stress	9.0363
Burn rates, damaged materials	11.0434	CARS data, liquid N ₂ & NM	9.0180
Burn rates, nitramines, high pressure	9.1310	Case effect on airblast of PETN/TNT	6.0777
Burning of secondary HE by convection	3.0077	Case, expansion model	7.0834
Burning tube test data, RARDE, explosiveness	7.1040	Case, expansion model, CYCLONE code	3.0226
Burning, superfast regression	7.0168	Case, penetration effect, models	7.0273
Burning-front velocity vs initial temperature	9.1070	Cased charges, airblast effect	8.0207
Bursting pressure ratio vs velocity	2.0223	Cased charges, fragment impact response	8.0262
Butane diol dinitrate, sensitiveness	2.0699	Cast PBX, effects of formulation differences	11.0707
Butane isomers, failure diam & sensitivity	5.0089	Cast PBX, insensitive	11.0384
Butylene, sensitiveness, Q, m	2.0648	Cast TNT, reaction extent history	9.0252
C.E.E. 2D model, nonideal detonations	7.0695	Cast-cured PBX, modeling of wedge tests	9.1217
Cable calibration summary, pins, delay system	2.0441	Casting EMP velocity gauges in explosive	7.1072
Cable delay timing film, velocity data film	2.0445	Casting, pressing, and machining HE charges	2.0119
Cable delay timing system, pin records	2.0441	CAT code, thermal hazard modeling	10.0207
Calcule ballistique, simpler prediction	7.0953	CAT finite-element thermal ignition code	9.1070
Calibrating sensitivity tests, laser	8.0473	Cavitated liquid IHE model, DDT from burn rate	6.0115
Calibration curves, shock tube	3.0030	Cavitation effect on sensitivity of liquid HE	7.0373
Calibration, global, HE reaction zone	9.0252	Cavitation in solids & liquids, fracturing	3.0805
Calorimetry, detonation, AN/ADNT	7.0807	Cavitation model of low-velocity detonation	5.0081
Calorimetry, mixing tests, HEs, model	8.1019	Cavitation threshold as limiting factor in HE	4.0413

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Cavity collapse ignition, Comp B	8.1080	CID, collision-induced dissociation, experiments	9.1084
Cavity collapse in emulsion HEs	9.0869	Cine-microscope, new, detonation phenomena	2.0168
Cavity collapse in energetic materials	8.0068	Cineradiography, flash x ray (100,000 fps)	7.0986
CH-6, small-scale gap test	9.0098	Cisoidal detonation wave, vertex, Mach wave	4.0135
Chain initiation, radicals in unreacted gas	2.0229	CJ adiabat, kinetic energy of water, bubbles	6.0561
Channel effect, precompressed explosive	8.1069	CJ adiabat, P-u _p for HBX-1	5.0523
Channel plate detonative centering	8.0330	CJ condition, axial flow, spherical front	8.0168
Chapman jouguet state, thermodynamics of	11.0969	CJ condition, calculated, low-density HE systems	5.0056
Characteristics method, NIP code	4.0538	CJ condition, cylindrical or spherical flow	4.0078
Characterization, booster-rocket propellants	9.1060	CJ condition, hydrodynamical studies	1.0107
CHARADE, Method of Characteristics Code	10.0472	CJ condition, initial conditions for flow	6.0603
Charge diameter effect, detonation velocity	8.0906	CJ condition, point of complete reaction	1.0055
Charge diameter, detonation wave curve	7.0592	CJ deflagration, shock = CJ detonation	3.0793
Charge diameter, velocity dependence in LVD	5.0086	CJ deflagration, wave model, DDT study	6.0238
Charge length effect, l/d < 3, l/d = 18.5, TNT	2.0504	CJ detonation, acceleration, no conduction	7.0634
Charge preparation, detonation velocity tests	2.0119	CJ detonation, pressure, ZND and CJ models	7.0531
Charge radius, steady velocity dependence	6.0642	CJ equation derived, precompression effects	5.0069
Charge size effect on plate dent depth	2.0752	CJ expansion adiabat, from cylinder test data	7.0646
Charge-separation hypothesis, wave/ground	2.0142	CJ gamma defined, adiabat for energy release	3.0739
CHD-3, 1D Lagrange model, Chinese	8.0094	CJ hypothesis, D = u + c	1.0088
Chemical aspects of detonation	1.0043	CJ isentrope & underwater pentolite tests	4.0027
Chemical composition effect on performance	6.0710	CJ isentropes measured for X2, T2	8.0753
Chemical decomposition model, confined HE	7.0056	CJ model, ASM probe pressure data	6.0639
Chemical decomposition model, Lagrange gauges	7.0498	CJ model, shock amplitude evolution	6.0383
Chemical decomposition, measurement of	11.0813	CJ parameters, (P, t, v, D from TIGER model)	8.0965
Chemical energy release equation, 1D model	3.0614	CJ parameters, data & calculated	6.0713
Chemical energy, unloading rate effect	7.0857	CJ parameters, EOS constants, LX-14	8.0618
Chemical equilibrium code	9.0461	CJ parameters, polytropic EOS, 2D model	7.0589
Chemical ionization mass spectrometry (CIMS)	8.0725	CJ parameters, release isentropes, calculated	7.1072
Chemical kinetics in detonation	4.0075	CJ particle density effect on CJ performance	3.0735
Chemical kinetics, C.E.E. 2D model	7.0695	CJ particle velocity by EMV gauge	5.0421
Chemical reaction, model, shock wave initiation	6.0371	CJ plane, coinciding with combustion wave	1.0044
Chemical reaction, rate, PBX 9404 vs LX-17	8.0953	CJ plane, conduction zone behind	3.0117
Chemical reaction, result of fracture	8.0243	CJ plane, equilibrium, steady state	2.0200
Chemical reaction, shocked HNS	8.0015	CJ point, density of solids affects pressure	1.0112
Chemical reaction/transverse waves, dark wave	6.0414	CJ point, shock properties of reaction products	9.0379
Chemically sensitized mining safety HEs	9.1351	CJ point, temperature, pressure	1.0021
Chemico-acoustic interactions	9.0219	CJ point, velocity measurements, HMX/TNT/inert	4.0056
Chemionization, source of plasma luminosity	3.0187	CJ pressure & gamma (calc) vs dural data	3.0394
Chemistry in free expansion of HE products	9.0953	CJ pressure & reaction zone length measured	2.0343
Chemistry of detonation soot	9.1170	CJ pressure vs homolog sequence number	9.0461
Chemistry of underwater HE detonations	9.0626	CJ pressure, calculated: TNT, Comp B, octol, ...	5.0023
Chemistry, NM, high pressure	9.1019	CJ pressure, effect, AWRE EOS determination	7.0682
Chemistry, thermal explosion	9.0228	CJ pressure, estimated from Jones equation	2.0380
CHEMKIN chemical kinetics, void collapse calc.	9.0906	CJ pressure, high-density RDX, TNT, RDX/TNT	2.0383
CHEQ, chemical equilibrium model	8.0502	CJ pressure, highest in detonation wave	3.0382
Chicanery, retarded detonation	6.0225	CJ pressure, measured in explosives	2.0327
Chinese detonation research, survey	7.0795	CJ pressure, new aquarium technique (Chinese)	7.0795
CHNO HE decomposition kinetics	9.1140	CJ products as high-density lattice structure	2.0405

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
CJ properties, AN & Al-loaded explosives	8.0555	Combustion energies, oxides and fluorides	7.0941
CJ properties, AN- & EDD-loaded HE, model	7.0555	Combustion in a cavity, calculation	2.0687
CJ properties, AP, RUBY code	4.0360	Combustion model, stress wave propagation	7.0208
CJ properties, CHNO & CNO explosives	8.0554	Combustion propagation	9.1070
CJ properties, high-carbon CHNO, model	8.0521	Combustion wave transformation, high order	1.0043
CJ state calculations, BKW model	3.0726	Combustion, compressive, granular materials	9.0293
CJ state calculations, CS hard-sphere EOS	8.0805	Commercial blasting agents, characterization	6.0729
CJ state derivatives, JWL EOS	8.0778	Common distance vs shock velocity in wedge test	9.1217
CJ state, initial state variation	8.0778	Comp A, diameter-effect parameters	6.0647
CJ state, PBX, inert binder effects, waves	7.0560	Comp A, modified, detonation velocity, rates	2.0130
CJ state, RDX, TNT: JCZ EOS	6.0162	Comp A-3 Type II, ignition thresholds	9.1460
CJ state, variation of molecular parameters	8.0774	Comp A-5, exploding-foil shock sensitivity	7.0928
CJ surface location reaction rate influences	2.0494	Comp A-5, sensitivity and explosiveness	8.0265
CJ temperature measurements	11.0045	Comp B and Comp B-4, deflagration, venting	7.0175
CJ temperatures, five liquid explosives	7.0759	Comp B performance	9.0478
CJ theory, 1st approximation of D (velocity)	5.0041	Comp B, air Hugoniot and CJ isentropes	8.1076
CJ theory, cyanogen, O ₂ , N ₂ mixture	2.0231	Comp B, Al & LiF effects on acceleration	6.0510
CJ theory, failure in liquid & solid HE	4.0084	Comp B, anomalous burn rate characteristics	7.0898
CJ velocity, front, Taylor wave	5.0004	Comp B, base gap effect on sensitivity	7.0914
CJ volume burn vs two-phase burn, γ vs JWL	8.0948	Comp B, BKW model & performance data	3.0728
CJ wave, steady state, calculated flow	7.0504	Comp B, camera record, impact to initiation	3.0423
CJ zone length, calculated	9.0806	Comp B, card gap (SPHF), P-x curves, ionizing	3.0152
Classical detonation wave model	8.0487	Comp B, cased and bare, jet initiation	8.0318
Closed-bomb strand burner, hybrid	9.1310	Comp B, cavity collapse ignition	8.1080
Closed-bomb test results, Comp B	8.0252	Comp B, chemical decomposition models	7.0056
Closed-vessel deflagration, HE + propellants	6.0195	Comp B, CJ point, CJ isentrope, error %	7.0709
Cluster formation, carbon	9.0743	Comp B, computation of diverging detonation	9.0743
Clusters, carbon & nitrogen	9.0743	Comp B, computation of diverging detonation	9.0751
CMC probe, composite manganin-constantan	9.0077	Comp B, conducting zone, electrical effects	3.0120
C-nitro explosives, sensitization	10.0870	Comp B, conductivity profile, pin signals	3.0140
C-NO ₂ , time-to explosion	9.0228	Comp B, conductivity profiles, C precipitation	4.0599
CN-stretching mode, NM	9.0180	Comp B, confined, after firing, deflagration	6.0204
CO ₂ laser, ignition of propellants	7.0217	Comp B, corner-turning model, PHERMEX	6.0410
CO ₂ vs CF ₂ as detonation products	7.0949	Comp B, crystal structure, sensitiveness	3.0666
CO ₂ , test and calculated Hugoniot	8.0551	Comp B, cylinder test results	4.0005
Coal-mining explosives, critical detonation P	4.0556	Comp B, density, D, cd, experimental pressure	3.0377
Coal-mining explosives, luminosity	2.0571	Comp B, density, shock and particle velocities	4.0245
Coaxial HE conductivity experiments	9.0396	Comp B, detonability, propellants & explosives	3.0639
Cobalt amine azides, thermal decomposition	3.0050	Comp B, detonation pressure data	7.0531
Cochran-Chan rate constants, PBH-9D	9.0142	Comp B, detonation pressure profile	9.0471
Cold LX-17, buildup	9.0133	Comp B, detonation products, test, calculations	8.0581
Cold-cast composite molecular explosive	10.0891	Comp B, detonation properties, carbon EOS	8.0528
Collapse of cavities in HE	9.0869	Comp B, detonation-driven plates & cylinders	4.0023
Collapse of single pore by shock wave	9.0593	Comp B, diameter-effect parameters	6.0647
Collapsing void, condensed HE, hot-spot formation	9.0906	Comp B, dural, u_{FS}	2.0334
Collapsing voids, initiation of fast decomposition	9.0857	Comp B, dural, u_{FS}	7.0535
Colliding-ball HE impact sensitivity test	3.0001	Comp B, dynamic detection of spalling	6.0477
Collisional energy transfer	9.1084	Comp B, EMF generated by conduction zone	3.0116
Combustion data correlated with sensitiveness	2.0643	Comp B, energy threshold, P-t plot	6.0106

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Comp B, eutectic with TNT, strain-free casting	2.0119	Comp B-3, drop-weight impact test	3.0006
Comp B, exploding-foil shock sensitivity	7.0928	Comp B-3, impact response, model and tests	7.0273
Comp B, explosively driven metal, model	8.0610	Comp B-3, isentropes calibrated from data	5.0009
Comp B, flyer plate critical surface area	7.0316	Comp B-3, low-velocity impact ignition	4.0478
Comp B, fracture surface topography	9.0918	Comp B-3, measured pressures, four tests	5.0014
Comp B, free-surface motion studies	4.0577	Comp B-3, oblique shocks, perpendicular drive	6.0602
Comp B, gap test results, variable donor	7.0279	Comp B-3, particle velocities, magnetic probe	6.0637
Comp B, gap test, low pressure, long duration	8.0228	Comp B-3, pressure data, PHERMEX, u_s	5.0013
Comp B, heat of detonation Q, D, P_{CJ}	3.0744	Comp B-3, pulse duration sensitizing effect	5.0191
Comp B, high-vacuum detonation	5.0561	Comp B-3, shock desensitization	8.1057
Comp B, Hugoniot	9.0379	Comp B-3, shock wave decay in Al	3.0254
Comp B, ignition by air gap compression	7.0003	Comp B-3, thermal initiation and growth	5.0280
Comp B, impact initiation, .30-cal cylinders	2.0612	Comp C, drop weight impact test	8.0640
Comp B, initiation by metal jet, x-t plots	7.0352	Comp C-3, measured D, 0-60 kpsi	5.0073
Comp B, isentropes, KHT vs JWL	8.0556	Comp C-4, diam effect, reaction zone thickness	4.0097
Comp B, jet temperatures, IR radiometer	6.0691	Comp C-4, gap test sensitivity	3.0830
Comp B, low-order explosions after impact	6.0328	Comp C-4, growth to detonation, interferometry	4.0584
Comp B, low-order wave, retonation, wave exit	3.0833	Comp C-4, performance	9.0478
Comp B, low-pressure point on isentrope	3.0389	Comp C-4, shock wave decay in Al	3.0254
Comp B, Mach interaction, two waves	4.0142	Compaction wave acceleration, granular material	9.0306
Comp B, measured detonation pressure, aquarium	5.0065	Compaction wave, DDT	9.0265
Comp B, nondetonative explosion	7.0248	Compaction waves, piston-propellant impact	7.0261
Comp B, overdriven detonation waves, EOS	4.0047	Compaction, distance vs %TMD	8.0938
Comp B, overdriven shocked states	5.0533	Compaction, effects on flame travel, DDT	7.0143
Comp B, particle sizes, finite & infinite diameter	2.0479	Compaction, heat generation in hot spots	8.0926
Comp B, particle velocities	7.1072	Compaction, porous beds of inerts	7.0843
Comp B, physical parameters	7.0593	Compaction, single-, double-based ball propellants	9.0341
Comp B, Plexiglas monitor, shock velocity	5.0023	Compaction-induced energy dissipation, HMX	11.0153
Comp B, Pop plots, burn rate model	7.0481	Composite emulsion explosives, performance	9.0573
Comp B, pressure shear ignition	9.0003	Composite energetic material, energy transport	10.0955
Comp B, pressure time profiles, manganin gauge	6.0625	Composite explosive, HMX/emulsion	9.0545
Comp B, pulse duration sensitizing effect	5.0191	Composite explosives, energetic	10.0628
Comp B, radiation & blackbody temperatures	7.0879	Composite HE, Al perchlorates/HMX	5.0137
Comp B, reaction products	9.0962	Composite HE, calculated ignition data	7.0462
Comp B, release wave, boundary rarefactions	3.0267	Composite HE, detonation model	7.0517
Comp B, sensitivity vs gap thickness	7.0920	Composite HE, higher-energy prospects	9.0554
Comp B, shock initiation modeling	10.0963	Composite HE, low-velocity projectile impact	9.1047
Comp B, shocked, thermal film record	7.0973	Composite HE, metal acceleration	8.1018
Comp B, shock-induced electrical polarization	5.0429	Composite HEs, underwater performance	9.0633
Comp B, spherical Al shells, velocities	6.0521	Composite manganin-constantan ring probe	9.0077
Comp B, stainless steel, interface velocity, model	4.0545	Composite propellants, response to shock loading	9.0879
Comp B, sympathetic detonation	3.0790	Composition F.209, spherical detonation wave	5.0031
Comp B, transmission of shock waves in Al	1.0090	Compressed-gas gun, short-pulse shocks	7.0857
Comp B, velocity-diameter curves	7.0589	Compressibility, weaker shocks cause reaction	2.0629
Comp B, W, Fe, Al, Al-Mg, & Be (model)	7.0796	Compression properties of energetic materials	11.0076
Comp B, wax-gap test	1.0023	Compression wave propagation	10.0793
Comp B, x rays of detonation	8.0322	Compression waves, characteristics, shielding	8.1145
Comp B/AN, diameter effect, D vs 1/d	4.0182	Compression waves, propagating, camera record	3.0420
Comp B-3, diameter effect	9.0197	Compression, ramp-induced, shocked propellants	8.0962

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Compressional input, correlation to HE sensitivity	9.1451	Confinement effect, violence, deflagration	9.1322
Compressive (hot spot) burning stage, DDT	8.0666	Confinement effects on shock sensitivity	11.0145
Compressive burning, DDT, experiment & theory	9.0320	Confinement effects, contact sensitivity	4.0408
Compressive combustion, granular materials	9.0293	Confinement effects, EBW initiation	4.0449
Compressive heating, cavity collapse, Comp B	8.1080	Confinement effects, energy prediction	8.0176
Compressive heating, ignition and launch	9.1460	Confinement effects, gap test, discontinuity	3.0805
Compressive heating, ignition model	7.0003	Confinement effects, low-velocity detonation	7.0575
Compressive loading of heterogeneous HEs	9.0604	Confinement effects, PBX 9502, Mg, Al, PMMA	8.0376
Compressive reaction, ball propellants	9.0341	Confinement effects, propellants detonating	3.0823
Compressive shock & acceleration (ramp) waves	7.0394	Confinement effects, small PETN & TNT charges	2.0768
Condensation shock, centered wave expansion	2.0308	Confinement effects, subsonic flow, model	6.0368
Condensation shocks & weak detonations	2.0295	Confinement effects, velocity, ANFO	3.0316
Condensation shocks in 1D unsteady flow	2.0300	Conical implosion generator, Cu & U	5.0548
Condensed carbon yield in detonation	9.0407	Conservation equations, 1D, spheric symmetry	6.0590
Condensed explosives, reactivity	9.0246	Conservation equations, gaseous detonation	2.0266
Condensed HEs, detonating, electrical conductivity	9.0396	Conservation equations, mass, energy, momentum	1.0088
Condensed phase with cavities, calc initiation	2.0689	Constantan gauge records, low-order detonation	6.0330
Condensed reacting media	9.0250	Constitutive modeling	11.0612
Condensed-phase detonation, summary of papers	4.0198	Constitutive model, for 2D code DYNA2D	9.0280
Condensed-phase particle conservation equations	9.0363	Constitutive relations, global method calibration	9.0252
Condensed-phase reactions, nitric oxide	8.0715	Contact shock initiation, spherical projectile on HE	9.1427
Conductance, normalized approx, hemi probe	4.0596	Continuity equation, spherical detonation wave	1.0093
Conductance-distance curves, SPHF (card gap)	3.0164	Continuous rate probe, LVD in nitromethane	7.0577
Conduction traces, Comp B and pentolite	3.0129	Continuum mixture model, fine-grained HNS	9.0209
Conduction zone behind CJ plane	3.0117	Convective burn (CB), gas penetrative, DDT	6.0250
Conductive (laminar) to convective burn	7.0164	Convective burn model, regression rates	7.0164
Conductive and convective burning, DDT study	8.0665	Convective burn model, solid propellant cracks	7.0186
Conductivity, detonating HE	3.0139	Convective burning, explosive powders	3.0077
Conductivity, in detonating condensed HE	9.0396	Convective combustion, early phase of DDT	9.0329
Conductivity, probe records, SPHF plates	3.0150	Convergent cylindrical shock waves	1.0079
Conductivity, profiles vs C content, products	4.0595	Converging (sonic) detonation waves	7.0638
Conductivity, profiles, electrodes in propane	3.0122	Converging 1D spherical detonation	7.0602
Confined acceptor charges, jet initiation	9.1416	Converging detonation, 2D Lagrangian model	9.1217
Confined charges, 2D metal & gas flow, model	3.0226	Converging flow driver, planar flyer plates	7.0826
Confined charges, fuel fire, minitrial	7.1040	Cookoff	11.0606
Confined charges, response to fragments	10.0089	Cook-off effects, microstructure	11.0310
Confined charges, steel yoke setup	6.0204	Cookoff response	11.0119
Confined drop hammer test, IHE	7.0965	Cook-off test	11.0428
Confined HE, chemical decomposition model	7.0056	Cookoff test methods	11.0135
Confined HE, propagating detonation model	7.1055	Cook-off tests	11.0135
Confined heating, TATB/HMX mixtures	7.0571	Cook-off tests, secondary explosives	11.0272
Confined TNT charges, final velocities	3.0337	Cookoff, burn rates	11.0434
Confined-charge response to fragments	7.1048	Cookoff, modeling	11.0852
Confinement & pressure effects, deflagration	6.0204	Cookoff, modeling	11.0862
Confinement and temperature effects, shock sensitivity	11.0145	Cookoff, propellants	11.0119
Confinement effect, failure diameter, PBXW-115	9.0806	Copper cylinder test, heat of detonation	9.0478
Confinement effect, high sound speed	10.0841	Copper, plane spalling, 1D calculation	5.0567
Confinement effect, SSGT	9.0098	Copper, radiance ratio & blackbody ratio	6.0692
		Cordite sensitiveness, gap test scale	2.0702

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Coriolis acceleration, frictional heat	8.0247	Critical ignition energy	11.0408
Corner turning & desensitization	9.1224	Critical impact criteria, shock initiation	7.0857
Corner turning behavior	11.0679	Critical impact diameter, thin flyer-plate impact	9.0066
Corner turning model, hot spots	8.0052	Critical impact velocity, fracture stress	1.0035
Corner turning, model, PBX 9404 & LX-17	7.0488	Critical impact velocity, shotgun facility	7.0299
Corner turning, PETN-based Detasheet	10.0176	Critical impact velocity, vs length	4.0474
Corner-turning data, Comp B, image intensifier	6.0666	Critical jet initiation energy	8.1091
Corner-turning data, EDC35 vs U.S. IHEs	9.0123	Critical particle velocity, initiation thresholds	5.0227
Corner-turning data, PBXW-115	9.0806	Critical shock duration, reaction kinetics	6.0105
Corner-turning data, TATB	7.0624	Critical shock initiation energy model	7.0459
Courant criterion, artificial viscosity	6.0337	Critical shock intensity, shocked liquid HE	3.0820
Cover-plate thickness, effect on jet initiation	9.1404	Critical shock pressure equations	8.1123
Cowan-Fickett data, effective γ s, β s	3.0721	Critical shock, NM, MMAN, TNT, AN, DNT, DNB	7.0382
CP, DDT calculation of flame, corner turning	8.0675	Critical surface area, SDT parameter	7.0316
CP, DDT studies	10.0242	Critical temperature for TATB	9.1070
CP, DDT, characterization	7.0865	Critical temperature scaling, confined HE, DDT	6.0218
CP, detonator in flying-plate tests	9.0824	Critical temperature tests, time to explosion	8.1114
CP, new explosive, low-voltage detonatorss	6.0455	Critical thickness of detonation propagation	8.0994
CPeX, non-ideal detonation model	10.0666	Critical thicknesses for sheet inclusions, NM	4.0391
Crack effect on octol, hot plate & hot wire	5.0284	Critical transfer charge diameter	8.0334
Cracking in explosives	11.0105	Crystal breakup in reaction of solids	3.0794
Cracks	11.0606	Crystal defects, effect on sensitivity	10.0816
Critical acceleration for shock growth	6.0047	Crystal defects, initiation mechanism	10.0831
Critical acceleration, radii of curvature	6.0387	Crystal defects, role in forming hot spots	9.1260
Critical air gap, lead azide/tetryl	2.0626	Crystal diameter effects in HEs	9.0098
Critical air gap, tetryl acceptor density	1.0025	Crystal growth, PETN, elastic moduli	6.0396
Critical angle for Mach bridge, shocks, foam	6.0489	Crystal melting effect on burning HMX	5.0311
Critical barrier thickness, Comp B charge	7.0354	Crystal microstructure & defects	9.1260
Critical booster diameter & mass	4.0435	Crystal orientation, incident laser energy	9.0172
Critical capacitor voltage, confined charges	6.0207	Crystal shape effect, PBX	9.0083
Critical conditions, impact initiation	7.0316	Crystal shape, effects of on initiation	11.0657
Critical conditions, shock initiation	6.0068	Crystal size effects, thermal initiation of azides	2.0563
Critical diameter, additive density effect, NM	7.0583	Crystal structure, HMX polymorph sensitivity	3.0665
Critical diameter, AN/Al mixtures	2.0744	Crystal thickness vs velocity, lead azide	5.0301
Critical diameter, AP, sympathetic detonation	6.0174	Crystallographic data, NQ	8.0841
Critical diameter, confined charges of NM	7.0609	Crystals, HE, impact initiation	9.0058
Critical diameter, effect of microballoons,	10.0749	CS EOS, detonation temperature vs density	8.0805
Critical diameter, NM-diluent mixture	6.0135	CTPB and HTPB binders, diameter effects	7.0561
Critical diameter, reaction rate	11.0301	CTX-1, sensitivity and explosiveness	8.0265
Critical diameter, threshold for propagation	5.0207	Cu-CTE junctions, shock wave effect	5.0404
Critical diameter, wave front shape	7.0792	CuO-Mg, deflagration velocity, electric probe	4.0616
Critical energy concept, derived from gap test data	8.1136	Curable plastic-bonded HE, CX-84A	8.0361
Critical energy concept, impact on tetryl, Comp B	6.0327	Curvature effects, detonation front, HMX	4.0086
Critical energy concept, initiation behavior	7.0459	Curvature effects, shock wave evolution	6.0379
Critical energy concept, shock initiation	6.0011	Curvature effects, stable detonation waves	1.0093
Critical energy concept, TNT detonation	6.0004	Curvature of axis effect, detonation velocity	1.0053
Critical energy fluence, criterion, pressures	7.0887	Curvature of detonation front, mining safety HEs	9.1351
Critical energy fluence, molecular dynamics	7.0778	Curvature, detonation velocity relation	9.0784
Critical energy per unit area, initiation	9.0066	Curve fits, five methods, shock velocity	5.0062

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Curved-front theory, nonplanar shock wave	8.0168	Cylindrically symmetric hot boundary in wave	4.0083
Curved-front theory, reaction rate, TNT/NANO	2.0519	Dagmar model, correlation with shock data	8.0108
Curved-front theory, wave shape vs rate	2.0501	Dagmar model, reflected shock, rarefaction	7.0385
Customized explosives, TATB- & HMX-based	7.0566	Damage characterization, energetic materials	9.1295
Cutback experiments, thin flyer-plate experiments	9.0798	Damage generation	11.0744
CX-84a, curable plastic-bonded explosive	8.0361	Damage influence on energetic materials	10.0490
Cyanogen-O ₂ mixtures, high-temp thermodynamics	2.0231	Damage modeling	11.0632
Cyclic polynitroaliphatic SF ₅ HE	9.1162	Damage, granulation effects, cast material	10.0499
Cyclone model, transient 2D flow	3.0227	Damage, internal, effect on sensitivity	10.0802
Cyclotol 75/25 Hugoniot	9.0379	Damaged energetic materials, shock sensitivity	9.1295
Cyclotol 75/25, free-surface velocity	2.0335	DANTNP, characterization	10.0885
Cyclotol, BKW model & performance data	3.0728	Dark waves, detonation front	7.0958
Cyclotol, cylinder test results	4.0005	Dark waves, homogeneous HE detonation, photos	6.0414
Cyclotol, diameter-effect parameters	6.0647	Dark waves, liquid HE, failure effects	5.0169
Cyclotol, low-pressure point on isentrope	3.0389	Dark zone in shock initiation	3.0786
Cyclotol, measured detonation pressure	5.0065	Dark-wave failure of 1,2-DP, reinitiation	5.0097
Cyclotol, underwater shock-to-burn tests	4.0489	Dark-wave mode of failure & reinitiation	5.0089
Cyclotol, wedge test with smear camera record	3.0504	DATB, detonation properties	3.0761
Cyclotol, wedge test with smear camera result	3.0504	DATB, detonation properties, carbon EOS	8.0528
Cyclotriphosphazenes, properties	10.0157	DATB, radicals in decomposition products	8.0742
Cyclotriphosphazenes, synthesis	10.0358	DATB, thermal initiation and growth	5.0280
Cylinder energy, simpler prediction	7.0953	Dautriche effect, detonation waves colliding	7.0757
Cylinder test, 42 HMX/9 AP/19 Al/30 binder	9.1371	Dautriche method, D for confined TNT	3.0354
Cylinder test, 88 RDX/12 PBHT	9.1371	Dautriche method, D, unreproducible results	1.0009
Cylinder test, 96 HMX/4 Viton	9.1371	Dautriche method, test setup	2.0586
Cylinder test, aluminized HE effects, setup	7.0949	DBA-1, -2, -3, densities, D, cd, P	3.0381
Cylinder test, burned gases isentrope & flow	4.0039	DDNP, burn rate, sensitiveness	2.0651
Cylinder test, CP in Cu	7.0869	DDNP, deflagration before DDT	1.0059
Cylinder test, EA eutectic and others	7.0553	DDNP, drop-weight initiation test	3.0012
Cylinder test, EA systems	8.1004	DDNP, EMV particle velocity meas. in detonator	9.0816
Cylinder test, eutectics of ammonium nitrate	7.0801	DDT experiments, test for existing theories	1.0057
Cylinder test, expansion	10.0928	DDT in CP study	6.0455
Cylinder test, heat of detonation	9.0478	DDT in nitroglycerin, bubble effect	3.0455
Cylinder test, ideal explosive predictions	6.0446	DDT in PETN & RDX, free-run laser initiation	6.0612
Cylinder test, LX-14, velocities	8.0616	DDT in primary HEs	9.1100
Cylinder test, metal acceleration	4.0003	DDT in propellants & explosives, quantitative	3.0635
Cylinder test, NF ₂ performance	7.0940	DDT in propellants, risk testing	6.0299
Cylinder test, off-center initiation	7.0755	DDT in RDX and ball powder, porous beds	8.0972
Cylinder test, RDX/TNT mixtures	6.0516	DDT in solids, chemical kinetics, calculations	3.0606
Cylinder test, temperature, particle size	8.1018	DDT model, cased propellant, propagating flame	7.0143
Cylinder test, two-part, AWRE EOS method	7.0678	DDT model, compacted porous beds, BRL	7.0198
Cylinder test, ZrH ₂ -based composites	9.0525	DDT model, compacted porous beds, NWC	9.0363
Cylindrical & spherical detonation, mixtures	9.0766	DDT model, granular explosives	8.0669
Cylindrical case expansion, JWL, Gurney equation	9.0498	DDT model, propellant, cast-granular interface	8.0962
Cylindrical converging detonation, D vs 1/r	7.0602	DDT model, propellant, TS 3659 propellant	9.0329
Cylindrical diverging detonations, model	7.0669	DDT modeling and experiments	11.0135
Cylindrical shock tube, converging waves	1.0081	DDT modeling, granular materials	9.0293
Cylindrical tube cell for gas flow model	8.0915	DDT parameter, particle diameter, largest influence	9.0320

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
DDT stages for porous charges	8.0658	Dead pressing, failure of DDT at high density	9.1100
DDT studies, RDX & RDX/wax, steel confinement	9.0259	Dead pressing, failure to detonate (preshock)	3.0785
DDT studies, spherical ball propellant	9.0354	Dead pressing, no burn to detonation	2.0629
DDT study, AP + pyridine in steel tube	7.0151	Deal's air-match points	4.0063
DDT study, CP characterization	7.0865	Debonding & crystal fracture vs explosiveness	7.0020
DDT study, double-based propellant	8.0658	Debrix 18AS, sensitivity and explosiveness	8.0265
DDT study, Dremin's decomposition mechanisms	6.0029	Debrix 2, EMP velocity gauges	8.0447
DDT study, high-HMX solid propellants	7.0256	Debye continuum theory, shock compression	7.0523
DDT study, porous HE in plastic tubes	7.0119	Decay of shock waves, solids & Al spallings	3.0253
DDT study, RDX, "retonation" wave	5.0231	Decay zones near front of detonation wave	5.0018
DDT study, small diameters in RDX, HMX, HNS	7.0107	Decomposition Chemistry	10.0340
DDT study, steel-confined RDX/wax	7.0139	Decomposition energetics	11.0490
DDT study, tetryl, fine & coarse, <85% TMD	6.0426	Decomposition energy, heat, radiation	3.0843
DDT test data vs Krier/van Tassell gun model	6.0258	Decomposition front reaction	7.0789
DDT tube setup, propellant study	8.0659	Decomposition kinetics, emission spectra	8.0710
DDT tube test, RDX/wax, experiments & model	9.0320	Decomposition mechanisms, arbitrary	9.0633
DDT tube tests, ball powder, model	8.0938	Decomposition mechanisms, C-N bond, NM, NH ₃	9.1027
DDT tube tests, HMX, radiographs, model	9.0265	Decomposition products, emission spectra	8.0712
DDT, conduction pulse peak to initiation	3.0156	Decomposition rate vs pressure (Forest Fire)	6.0409
DDT, CP, summary of properties	7.0865	Decomposition reaction kinetics, lead azide	2.0529
DDT, density effects	10.0242	Decomposition reaction kinetics, shock front	7.0789
DDT, direct observation in glass tubes	7.0873	Decomposition studied in thin films	10.0341
DDT, dynamic compaction of inerts	7.0843	Decomposition, fast transient, kinetics	9.1140
DDT, dynamic compaction, intragranular stress	8.0645	Decomposition, new HE, drop weight impact	9.1037
DDT, early work	3.0788	Decomposition, NM, drop-weight impact	9.1019
DDT, experiment	11.0693	Defect microstructure in HE single crystals	9.0868
DDT, gas evolution & gas escape vs pressure	1.0110	Deflagrating explosives or propellants	3.0799
DDT, gas-phase reactions	7.0216	Deflagration & detonation velocities, probe	4.0616
DDT, granular HMX	9.0265	Deflagration model, fragment impact	7.0175
DDT, igniter and compaction effects	7.0143	Deflagration rate, HE + propellants, > 1 kbar	6.0195
DDT, ignition, kinetics, shock formation	10.0716	Deflagration waves, unstable, heterogeneous	6.0281
DDT, laminar to convective burning	7.0164	Deflagration, accident simulations	8.0211
DDT, modeling	11.0686	Deflagration, before detonation, photos	1.0057
DDT, numerical modeling	9.0259	Deflagration, CO-O ₂ explosion, x-t plot	2.0288
DDT, parameter study	10.0685	Deflagration, deuterium, laser driven	5.0361
DDT, porous beds	9.0259	Deflagration, from EBW-initiated capacitor	6.0205
DDT, porous beds of ball propellants	9.0341	Deflagration, induced at ambient	8.0216
DDT, porous beds of propellant, model	8.0934	Deflagration, principal means of propagation	3.0433
DDT, porous explosive, consumable	8.0914	Deflagration, schlieren photo, CO/O ₂ /H ₂ /H ₂ O	2.0286
DDT, porous HE, high strain rate deformation	8.0881	Deflagration, shock-induced, desensitization	9.1322
DDT, schlieren photos & plots, CO/O ₂ /H ₂ /etc.	2.0284	Deflagrations induced by direct thermal means	9.1322
DDT, secondary explosives	10.0242	Deflagration-to-shock transition (DST)	7.0225
DDT, simulation of compaction wave	9.0306	Deformation & HE properties of HMX powder	9.0886
DDT, successive phases, gauges	9.0259	Deformation as thermal energy source	8.0926
DDT, temperature effects in PBX 9502 and TATB	10.0485	Deformation heating, high aspect ratio dimple	8.1080
DDT, two isomeric cast primary explosives	6.0231	Deformation, role in hot-spot formation	7.0976
DDT, wall trace records for NM-acetone	5.0105	Deformation, velocity distribution profiles	7.0347
DDT, wedge test run to detonation	9.0032	DEGDN, radiance	7.0762
De Laval nozzle, flow conditions	2.0754	DEGDN, sensitiveness, m x Q	2.0700

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Dekazene in hydrazine, gap test sensitivity	3.0830	Detonation calorimetry, Spectrometer, model	9.0953
Delay to detonation vs shock ampl., PETN, NM	9.0235	Detonation characteristics, gun propellants	9.0537
Delayed and low detonation, model and tests	8.0135	Detonation chemistry, fluorine oxidizers	7.0940
Delayed detonation	10.0709	Detonation criterion, $P^n\tau = \text{const.}$	6.0076
Delayed detonation, card gap tests	7.0265	Detonation development, thin flyer-plate impact	9.0066
Delayed detonation, low-velocity impact	7.0256	Detonation enhanced by electric current flow	9.0388
Delayed-detonation transition (XDT)	7.0258	Detonation failure & shock initiation model	5.0177
Demilitarization of large charges	9.1322	Detonation failure, NM, 2D simulation	7.0608
Dense fluid EOS	8.0785	Detonation failure, velocity-diameter theory	7.0589
Dense molecular fluids theory vs model	8.0531	Detonation front curvature, HNS	9.0209
Density changes in gaseous detonations	2.0187	Detonation front measurements	11.0054
Density discontinuity, HMX/ZnCl ₂ study	5.0187	Detonation front photos: NM, NM/acetone	7.0958
Density discontinuity, hot-spot formation	5.0177	Detonation front structure, gaseous, reaction	2.0216
Density discontinuity, shock interaction	4.0394	Detonation front, shaped charge, record	7.0751
Density discontinuity, shock interaction, NM	4.0386	Detonation head model, wave shapes	2.0501
Density effect on run distance, TATB-based HE's	10.0508	Detonation head shapes, spherical ignition	6.0525
Density effect, DDT	7.0113	Detonation head theory, reaction rate, TNT/SN	2.0519
Density effect, DDT	7.0166	Detonation if burn surface $v >$ sound speed	2.0695
Density effect, detonation front	7.0768	Detonation in gases at low pressure	2.0251
Density effect, gap test	7.0336	Detonation in high vacuum	5.0559
Density effect, HNS-SF sensitivity	7.1026	Detonation in homogeneous explosives	2.0454
Density effect, initial, scaled radius	6.0564	Detonation light, bubbles in NM, camera record	3.0481
Density effect, run time and pressure	3.0514	Detonation limits in condensed explosives	4.0179
Density effect, stretched/unstretched HE	4.0500	Detonation mechanisms, mining safety HES	9.1351
Density effect, underwater	6.0561	Detonation model, multiprocess, Russian	9.0724
Density fluctuation construction scheme	8.0680	Detonation parameters, AMATEX 20 & Comp B	7.1082
Density of HMX/emulsion vs % HMX	9.0545	Detonation parameters, NM/diluent	6.0136
Density snapshots, PBX 9502	9.0683	Detonation parameters, one embedded foil	8.0440
Density surface contours, TATB model	8.0050	Detonation parameters, predicting with VLW EOS	9.0435
Density vs shock sensitivity	9.0098	Detonation performance calculations, KW EOS	3.0725
Density, strongest pressure influence	4.0179	Detonation phenomena	10.0704
Dent & detonation velocity tests, 3/8-in. diam.	6.0441	Detonation pressure measurement, manganin foil	9.0471
Dent test results, azide/PETN detonators	2.0723	Detonation pressure, AN, Japanese-Dutch tests	9.0560
Denton's correlation for heat transfer to porous bed	9.0363	Detonation pressure, function of length	5.0059
Desensitization by preshocking HE	8.0047	Detonation pressure, NM driving dural, "decay"	5.0018
Desensitization by shocking	3.0805	Detonation pressure, PBX 9404, Comp B, NM,	7.0531
Design, precision linear shaped charges	9.1385	Detonation pressure, simpler prediction	7.0953
Detasheet C, physical properties	8.0363	Detonation pressure, x ray of wave vs time	5.0013
Detonability experiments	9.0018	Detonation pressures, calculation	9.0461
Detonability of carbohydrate-metal composites	9.0972	Detonation process in P-V plane, CJ point	2.0345
Detonability of mixtures of C, BN, Si	9.0766	Detonation product EOS	9.0506
Detonability of propellants & explosives	3.0635	Detonation product EOS, baratol	9.1378
Detonability test setup, preshocked HE	8.1058	Detonation product EOS, Monte Carlo method	9.0452
Detonatability, non-ideality, and sensitivity	11.0221	Detonation product, aluminized explosive	10.0601
Detonating diatomic lattices (MD)	8.0864	Detonation products (elements) effect on HE	6.0710
Detonation behavior of liquid TNT	2.0439	Detonation products below the CJ state	5.0523
Detonation calorimeter, PETN detonation heat	4.0167	Detonation products EOS, EED, e-p-v	9.0388
Detonation calorimetry, Cu cylinder test	9.0478	Detonation products into argon & vacuum	9.0962
Detonation calorimetry, fluorine oxidizer	7.0942	Detonation products study, apparatus	8.0702

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Detonation products, γ s, molecular properties	9.0513	Detonation velocity, diameter study	2.0133
Detonation products, analysis	11.0513	Detonation velocity, diverging	8.0151
Detonation products, carbon clusters	9.0417	Detonation velocity, EDC35	9.0822
Detonation products, interaction potentials	10.0425	Detonation velocity, from Hugoniot minimum	2.0387
Detonation products, Monte Carlo simulation	10.0401	Detonation velocity, linear vs density	2.0416
Detonation products, thermodynamics of	10.0596	Detonation velocity, measurement, pin method	2.0136
Detonation propagation, PBXW-115	9.0806	Detonation velocity, oscillograph trace, PETN	1.0013
Detonation properties, 95 TATB/5 Kel-F 800	9.0123	Detonation velocity, radius (D vs 1/r)	2.0480
Detonation properties, AN emulsion, model	9.0621	Detonation velocity, radius (D vs 1/r)	3.0311
Detonation properties, explosive foams	9.1364	Detonation velocity, simpler prediction	7.0953
Detonation properties, KHT EOS model	8.0548	Detonation velocity, sphere, cylinder, plane	5.0041
Detonation properties, NTO	9.1001	Detonation velocity, vs charge density	5.0074
Detonation properties, ZOx	9.0985	Detonation velocity, vs initial density	2.0390
Detonation research in China, survey	7.0795	Detonation velocity, wall effect on EDC35	9.0831
Detonation Shock Dynamics	10.0011	Detonation velocity, wave curvature effects	10.0011
Detonation shock dynamics	11.0036	Detonation wave front, JR Model	10.0037
Detonation shock dynamics, 2D model, DSD	9.0730	Detonation wave fronts, generators, families, types	5.0517
Detonation shock dynamics, analysis techniques	11.0181	Detonation wave fronts, ideal/nonideal	2.0500
Detonation shock dynamics, deton. wave spread	9.0773	Detonation wave fronts, interacting with inerts	1.0093
Detonation spreading, fine TATB	11.0362	Detonation wave fronts, interactions, modeling	5.0487
Detonation state, series of Ta foils	5.0005	Detonation wave fronts, interactions, modeling	7.0669
Detonation Stream Line Dynamics	10.0027	Detonation wave fronts, subsonic, container veloc.	5.0085
Detonation structure, molecular dynamics	9.0713	Detonation wave fronts, theory, Chinese	7.0795
Detonation Symposia indexes, 1981-1985	9.1543	Detonation wave interactions	11.0399
Detonation temperature, 4-color pyrometer	8.0558	Detonation wave profiles, measurement of	11.0821
Detonation temperature, charge-core radiation	2.0157	Detonation wave propagation from impact region	9.0798
Detonation temperature, liquid & solid HEs	9.0939	Detonation wave spread, deton. shock dynamics	9.0773
Detonation temperature, liquid HEs	7.0759	Detonation wave stability, confinement effects	10.0063
Detonation temperature, solid HEs	9.0947	Detonation wave, decomposition of HE	9.0050
Detonation temperature, theory, TNT & tetryl	2.0165	Detonation wave, temperature measurement	11.0353
Detonation threshold data, TNT-filled targets	7.1051	Detonation waves, curved	10.0019
Detonation threshold velocity, impact effect	7.0273	Detonation zone, condensed explosives	2.0358
Detonation thresholds, PBX 9404 & RX-26-AF	7.0325	Detonation zone, peak luminosity measurement	1.0039
Detonation thresholds, PE4 & Bridgwater Type A	10.0092	Detonation, bibliography	11.1101
Detonation tube, standard (French), photo	6.0126	Detonation, corner turning	11.1023
Detonation velocity for HMX/emulsion	9.0545	Detonator design & fabrication	2.0720
Detonation velocity vs ρ , 60 PETN/40 PU foam	9.1364	Detonator response measurem. with PVDF gauge	9.1529
Detonation velocity vs ρ , emulsion HEs	9.0573	Detonator stresses, momentum, time, distance	3.0285
Detonation velocity vs ρ , NM foam	9.1364	Detonator, non-steady flow	9.0816
Detonation velocity vs density	11.0225	Detonators, M29 & M47, development	2.0712
Detonation velocity vs particle size, composite HEs	9.0554	DETOVA code for DDT	9.0329
Detonation velocity, ANFO, TNT, emulite, ...	8.0987	DETOVA model, DDT, dynamic compaction	7.0850
Detonation velocity, calculated, CJ, EOS	1.0107	Deuterium shocked by pulsing Nd laser	5.0361
Detonation velocity, curvature function	7.0602	DFB, failure diameter, times	5.0089
Detonation velocity, curvature function	9.0784	DFB, liquid HE, characterization	6.0467
Detonation velocity, curved-liner effect	6.0523	DFF, liquid HE, characterization	6.0467
Detonation velocity, density, AN, model	9.0560	DFNT, liquid HE, characterization	6.0467
Detonation velocity, density, ANFO	3.0314	Diameter effect in liquid NO	9.1335
Detonation velocity, density, DATB	3.0764	Diameter effect, CJ parameters, KHT EOS	8.0996

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Diameter effect, condensed explosives	2.0424	DINGU, vs TATB, comparison of properties	7.0540
Diameter effect, detonation velocities	2.0202	DIP mass spectrum from TNT soot	9.1170
Diameter effect, detonation velocity	3.0791	Direct-contact detonation sensitivity test	4.0404
Diameter effect, detonation velocity, ZND	1.0105	Discontinuities in HE-driven plate tests	4.0645
Diameter effect, diverging detonation waves	8.1046	Discontinuities in models, Q & LAX methods	3.0615
Diameter effect, eyring theory, limits	4.0180	Discontinuity angle of shock wave	4.0258
Diameter effect, high-density heterogeneous HE	6.0642	Discontinuous diameter-effect curves	9.0197
Diameter effect, liquid explosives	10.0704	Discrepancies in EOS, add formic acid	8.0540
Diameter effect, liquid TNT, dural & Pyrex	2.0449	Disk standoff distance effect, velocity	7.0306
Diameter effect, NM, Jones & Eyring theories	2.0454	Dislocation dynamics, cracks in elastic media	6.0268
Diameter effect, NM-PMMA-GMB	9.0925	Dislocations, RDX, PETN	9.1276
Diameter effect, nonideal detonations model	7.0699	Dispersal, explosive, heated Al particles into water	9.0641
Diameter effect, non-ideal explosives	9.0197	Displacement gradient method, flash x ray	8.0440
Diameter effect, on DDT	7.0110	Disposal of surplus ammunition	9.1322
Diameter effect, on wave shape, ideal HE	2.0505	Dissociation energy vs detonation velocity, N ₂	2.0244
Diameter effect, PBX 9404, Comp B, PBX 9502	7.0533	Distance-time plot of double impact of piston	9.0306
Diameter effect, reaction zone thickness	4.0096	Distance-time plot, buildup to detonation	5.0248
Diameter effect, slurry	8.0168	Distance-to-detonation tests	7.0888
Diameter effect, TATB/HMX mixtures	7.0567	Distance-vs-pressure plots, PETN, 2 densities	6.0371
Diameter effect, theories, early work	3.0801	Dithekite, DINA, TNT, NM shock initiation	3.0469
Diameter effect, theory & experiment	8.0168	Dithekite, plasma, streak camera	3.0200
Diameter effect, various theories compared	2.0482	Dithekite, sensitiveness, Q, m	2.0648
Diamond formation	11.0480	Divergence testing, EDC35	9.0123
Diamond in detonation products	9.0417	Divergence, IHE	9.0123
Diamond-anvil cell, NM decomposition	9.1019	Divergent detonation waves, Whitham's theory	9.0784
Diamonds, graphite & volatiles in detonation soot	9.1170	Divergent spherical detonation waves, solid HE	5.0031
Diamonds, synthesis in detonation waves	9.0407	Divergent spherical generator, calibration	9.1371
Dichloro-TNT, radicals, decomposition products	8.0742	Divergent wave, flow derivatives, heat	8.0148
Dielectric liquid explosives, transducers	4.0609	Diverging & converging detonation experiments	9.1217
Dielectrics (liquid) in shock waves	5.0399	Diverging detonation, computation, Comp B	9.0743
Difference equations, 1D flow, isentrope + E	3.0608	Diverging detonation, computation, Comp B	9.0751
Diffusion effect in composite explosives	4.0193	Diverging detonation, mushroom-shaped sample	9.1217
Diffusion layer calculation	8.1012	Diverging detonations, RDX & PETN-based PBX	7.0408
Diffusion method for growing lead azide	7.0736	Diverging shock wave in Plexiglas cylinders	5.0477
Diffusion role in detonation chemistry	9.1193	Diverging shock wave initiation, RDX/TNT	8.0143
Diffusion-controlled reaction rate model	7.0520	DNBF, shock sensitivity	9.0561
Diffusion-controlled reactions of HEs	9.0743	DNBF, shock sensitivity, phys. & chem. properties	9.0566
Diluent effect on methyl nitrate sensitivity	5.0271	DNNC, time to explosion	9.0228
Diluent effect on propagation of NM	6.0133	DNP, detonation properties	6.0100
Dimensionless explosive/jet parameter	8.1091	DNP, sensitivity, cavitation effect	7.0373
Dimple tests, three variations, Comp B	8.1080	DNP, thermal decomposition at P=10-50 kbar	5.0331
DINA, BKW model & performance data	3.0728	DNPP, liquid HE, characterization	6.0467
DINA, confined effects, failure diameter	3.0800	DNPTB, impact sensitivity, critical temp	3.0069
DINA, electrical transducer studies	4.0609	DNT, diameter effect, D vs 1/d, limit data	4.0182
DINA, NM, TNT, dithekite shock initiation	3.0469	DNT, radicals in decomposition products	8.0742
DINA, time delay vs temp reciprocal, decomp.	3.0068	DNT, reaction profiles	11.0299
DINGU, performance	9.0478	DNT, sensitivity, cavitation effect	7.0373
DINGU, sensitivity and performance	8.0351	DNT, threshold velocity, burn rate	6.0119
DINGU, synthesis	8.0351	Doering-Kirkwood-Wood, increase in velocity	2.0198

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Donor charges initiating acceptor charges	2.0621	Dynamic compr. properties, HMX compounds	8.1037
Doppler laser interferometry, velocity study	8.0815	Dynamic compressive strength effects	7.0017
Doppler shift velocity interferometer, record	6.0673	Dynamic detection, spalling, stainless, Comp B	6.0477
Double card gap test	11.0701	Dynamic impact model, 2D Lagrangian	6.0336
Double-base propellant, casting solvents	4.0421	Dynamic radiographs, spherical detonation	5.0036
Double-base propellant, DDT study	8.0658	Dynamic stability boundaries, deflagration	6.0281
Double-base propellant, gap test sensitivity	3.0830	Dynamic stress-strain data, camera record	3.0420
Double-base propellants, pressure shear ignition	9.0003	Dynamite, calculated blasting performance	8.0987
Double-based ball powder, DDT	9.0259	Dynamite, explosive performance characterized	6.0729
Double-cartridge test, sensitiveness	2.0604	Dynamite, lateral shock pressure tests	4.0095
Double-pipe test (DPT), ANFO in 40-mm diam	8.0390	Dynamite, thermal hazard	7.0043
Double-wedge test, TATB and HMX	8.0892	EA, eutectic of EDD and AN, performance tests	7.0548
Doubly shocked HMX, smear camera record	3.0511	EAK and EAKL, intermolecular explosives	8.0111
Downstream Mach number plots	5.0131	EAK, eutectic, non-steady-state effects	8.1001
DP (1-2 DP), exper. & calc. CJ parameters	6.0713	EAK, gap test results	8.0232
DREV gap test, shock sensitivity	8.0361	EAK, Lagrange gauge study of initiation	9.0089
DREV setback simulator	9.1480	EAK, low explosivity but not low sensitivity	8.1005
Drop hammer, IHE test, laboratory scale	7.0965	EAR (EDD/AN/RDX) plate dent test data	7.0551
Drop weight apparatus, explosiveness, skid	6.0291	Early-motion test, AWRE cylinder test	7.0680
Drop weight impact test	10.0219	EBW detonator, high temp, new explosive (BTX)	6.0460
Drop weight impact test, colliding ball	3.0001	EBW, cause of energy limit	4.0449
Drop weight impact test, hot spots, shear	7.0970	EBW, illumination in I ² C photos, PBX 9404	6.0666
Drop weight impact test, modeling	10.0777	Ector electron-beam HE detonation	9.1131
Drop weight impact test, polymer effects	7.0024	EDC29 & EDC32, wave shapes in rods	9.0784
Drop weight impact test, TATB/HMX	7.0570	EDC35 IHE, frozen hot spots in shocked	9.1253
Drop weight impact, HE decomposition	9.1037	EDC35, inert wall effect, detonation velocity	9.0822
Drop weight impact, HMX & PBX deformation	9.0886	EDC35, initiation & detonation	9.0123
Drop weight impact, mechanical properties	8.0635	EDC35, wall effect on detonation velocity	9.0831
Drop weight impact, radiometry & spectroscopy	9.1037	EDD performance	9.0478
Drop weight impact, transparent anvils	8.0635	EDD, eutectics	7.0548
Drop-weight impact, HE decomposition	9.1019	Edge-effect steady-state detonation	6.0356
Drop-weight impact, microstructure	11.0313	EDNA, impact sensitivity and OB/100	3.0674
Drop-weight impact, shear bands role in initiation	9.1276	EDNA, limit data, high reaction zone	4.0184
Drop-weight-impact tests, fluctuating response	9.1243	EDNA, sensitivity and oxygen balance data	3.0699
DSC, emulsion HEs	9.0585	EDNA, time to explosion	9.0228
DSD	11.1029	EDNA, wave curvature vs charge length	2.0506
DSD theory	11.0021	EDNP, liquid HE, characterization	6.0467
DSD, detonation shock dynamics	9.0730	EE, emulsion explosives, calc. of det. properties	9.0621
DSD, examples for detonation wave spread	9.0773	EED, electrically enhanced detonation model	9.0388
DTA for BTX, new high-temp EBW explosive	6.0460	Efficiency, HE, theoretical prediction	9.0489
Dual velocities of detonation: NG, TNT, tetryl	2.0583	Efficient temperature, > shock pressure of EOS	6.0105
Dual-delay-leg velocity interferometer (VISAR)	6.0668	EGD, sensitiveness, m x Q	2.0700
Dust particles interacting with airblast	6.0784	EGD, sensitiveness, Q, m	2.0649
DXD-01, detonation pressure profile	9.0471	EGDN, bubble energy, underwater expansion	6.0546
DYNA2D model, failure radii & corner turning	7.0488	EGDN, light emission during initiation	5.0153
DYNA2D, 2D Lagrange code, porous bed analysis	9.0280	EIE, French ion-exchanged explosive	4.0156
DYNA2D, explicit hot-spot model	8.0058	Einstein vibrational frequency, partition F	2.0407
DYNA2D, reactive flow analysis	9.1224	ELA 2D model, AWRE EOS determination	7.0678
Dynamic compaction, porous beds of inerts	7.0843	ELA 2D steady-state code	4.0014

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Elastic constants, HMX, RDX, Tantalum	11.0498	Embedded foils, x-ray photos, fits to	5.0016
Elastic half-space, water surface detonation	5.0497	Embedded gauge measurements vs RFLA	7.0466
Elastic modulus vs strain rate, Octorane 86A	9.1047	Embedded gauges, LX-17	8.1053
Elastic modulus, PETN crystals	6.0400	Embedded gauges, LX-17 initiation vs temperature	9.0112
Elastic precursor decay model, with cracks	6.0267	Embedded gauges, manganin, TATB initiation	7.0385
Elastic precursor waves in Fe and quartz	4.0569	EMF static & dynamic loading, C.T.E./Cu junction	4.0633
Elastic precursor waves in LVD, cavitation	5.0085	Emission intensity, reactivity indicator	8.0015
Elastic precursor waves in shocked Be	5.0467	Emission spectra, detonating HNS	8.0694
Elastic-plastic flow in alumina	9.0842	Emission spectra, Hg(CNO) ₂ & C ₆ H(NO ₂) ₃ (O ₂ Pb)	8.0710
Elastoplastic effects, attenuating shock wave	4.0277	Emission spectroscopy, drop weight impact on HE	9.1019
Elastoplastic release of Mg at 80 kbar	4.0290	EMP gauges, steady-state velocities	8.0187
Electric boundary values, Laplace's equation	4.0596	Emulite, air Hugoniot & isentropes, model	8.1077
Electric discharge, ignition	11.0371	Emulite, calculated blasting performance	8.0987
Electric field initiation, explosive azides	6.0390	Emulite, precursor air shock in air gap	8.1072
Electric gun experiments, particle size effects	9.0025	Emulsion explosive, AN-based, modeling	10.0515
Electric gun test setup	8.1126	Emulsion explosives, mixtures with HMX	9.0545
Electric gun, initiating TATB, short shock	8.0380	Emulsion explosives, performance tests, model	8.0985
Electric gun, initiation studies	9.0066	Emulsion HE, diameter effect	9.0197
Electric probe technique, detonation & deflag.	4.0616	Emulsion HEs, detonation properties, calculated	9.0621
Electrical conductivity, detonating condensed HE	9.0396	Emulsion HEs, performance vs diam & density	9.0573
Electrical conductivity, detonation products	4.0595	Emulsion HEs, shock sensitivity	9.0585
Electrical conductivity, liquid dielectrics	5.0399	Emulsion HEs, underwater explosion	9.0641
Electrical effects in pin method, velocity	2.0141	Emulsions, glass microballoons, performance	8.0993
Electrical initiation of RDX	3.0088	EMV gauge, assemblies, (electromagnetic vel.)	8.0102
Electrical junction effect, shocked metals	6.0151	EMV gauge, Hugoniots, porous TNT	6.0766
Electrical resistance of ionized zone	3.0112	EMV gauge, rise time, flow perturbation	7.1062
Electrically accelerated flyer plate system	6.0653	EMV gauge, schematic, particle velocities	5.0413
Electrically driven thin flyer plates	9.0066	EMV gauge, technique, PMMA	5.0413
Electrically enhanced detonation	9.0388	EMV particle-velocity gauge	9.0816
Electrochemical electrode effect, lab stock	5.0399	EN, burn rate, sensitiveness	2.0651
Electrode interface effects, lead azide	6.0393	EN, radiance & detonation temps	7.0762
Electromagnetic gauge, inappropriate use	10.0224	EN, sensitiveness	2.0699
Electromagnetic gauges, NM SDT	9.0039	EN, sensitiveness, Q, m	2.0648
Electromagnetic velocity gauge, radial flow	9.0077	EN, shock compression through inert, DDT	3.0813
Electron beam heating, stress pulse measured	5.0351	Energy band diagram, Scottky-barrier contact	6.0391
Electron beam initiation	7.0050	Energy delay effect on blast wave	7.0729
Electron beam initiation of TATB HEs	9.1131	Energy dissipation, compaction induced	11.0153
Electron beam penetration	11.0413	Energy effect on decomposition of DDT	3.0842
Electron bombardment decomposition, azides	2.0531	Energy fractions, bubble, heat, mechanical,...	6.0554
Electron density distribution analysis, NQ	8.0839	Energy level diagram	9.0235
Electron micrograph, shocked HMX	9.0897	Energy localization, microscopic processes	10.0824
Electron paramagnetic resonance (EPR)	8.0734	Energy localization, predicting hazard response	9.1243
Electron paramagnetic resonance spectra	8.0742	Energy loss, multipoint initiation	9.1360
Electronic excited states, bond scission	7.0093	Energy output of HEs, parameters	9.0962
Electrostatic discharge, hazards	10.0936	Energy release, chemical systems	3.0738
Electrostatic interaction, effect	10.0586	Energy release, rate model, flow fields	7.0498
Electrostatic potential map, NQ	8.0845	Energy threshold vs shock pressure	6.0112
Electrostatic sensitivity testing of HEs	9.1076	Energy thresholds for direct laser initiation	9.1118
Embedded foils, detonation state measures	5.0004	Energy to ignition, impact ignition & growth	9.1243

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Energy transfer efficiency, plates & cylinders	4.0021	EOS, gas & liquid, Lennard-Jones-Devonshire	1.0108
Energy transfer to rigid piston after impact	3.0205	EOS, granular HE, pulsed electron beam	5.0351
Energy transfer vs mass ratio, spheres, models	6.0526	EOS, graphite at TNT CJ point	2.0401
Energy transfer, phenomenological models	9.0713	EOS, H ₂ -O ₂ detonations	2.0221
Energy-per-unit-area criterion, impact on HE	9.1441	EOS, HBX-1	5.0531
Enhanced detonation, modeling of	11.0904	EOS, HE, model	9.0443
Enhanced thermal diffusivity, shocked PBX 9404	7.1006	EOS, HMX/polyurethane	7.0678
Environmental shock testing, condensed phases	3.0024	EOS, HMX/TNT	4.0024
EOS & criticality conditions for liquid HE	4.0395	EOS, HNAB, rate modeling	7.0416
EOS clusters, CHEQ code	9.0743	EOS, insensitive explosives	11.0942
EOS comparison, JWL to THEOSTAR	10.0596	EOS, JCZ, TIGER code	6.0163
EOS determination, AWRE method	7.0678	EOS, JCZ3	9.0933
EOS for detonation products	9.0388	EOS, JCZ3	11.1073
EOS of dense gaseous HEs	9.0933	EOS, JWL	5.0008
EOS of detonation products	9.0388	EOS, JWL	7.0488
EOS of detonation products, TATB	9.0506	EOS, JWL	7.0678
EOS, 1060 aluminum, shock wave measurement	4.0213	EOS, JWL	8.0596
EOS, aluminum	2.0354	EOS, JWL	8.0909
EOS, aluminum	3.0358	EOS, JWL	8.0914
EOS, analytic, for SX-2	11.1082	EOS, JWL	8.0947
EOS, AN-based HE	8.0997	EOS, JWL	9.0025
EOS, antimony	6.0602	EOS, JWL	9.0133
EOS, argon, expansion isentropes of TATB	8.0816	EOS, JWL	9.0142
EOS, baratol detonation product	9.1378	EOS, JWL	9.0209
EOS, based on intermolecular potentials	7.0703	EOS, JWL	9.0498
EOS, BKW, calibrating	10.0409	EOS, JWL	9.0670
EOS, C and N	9.0425	EOS, JWL	9.0701
EOS, calibration method	8.0794	EOS, JWL	9.1217
EOS, carbon	8.0521	EOS, JWL and Williamsburg, nitromethane	11.1065
EOS, cast PBX (HMX/polyurethane)	8.0599	EOS, JWL parameters using Gurney equation	9.0498
EOS, CHNO explosives properties model	7.0703	EOS, KHT	4.0173
EOS, CJ conditions (K-W)	4.0027	EOS, KHT	8.0548
EOS, Comp B	4.0003	EOS, KHT	8.0764
EOS, comparison of various HEs	9.0621	EOS, KHT	8.0997
EOS, detonation gases	1.0072	EOS, KNB	2.0520
EOS, detonation modeling	11.0889	EOS, KW	2.0383
EOS, detonation parameters, Chinese	7.0795	EOS, KW	3.0725
EOS, detonation products	10.0369	EOS, KW	4.0027
EOS, detonation products, at P < 30 kbar	4.0052	EOS, Lucite	3.0584
EOS, detonation products, C vs HCOOH	8.0540	EOS, LX-14	9.0425
EOS, detonation products, Comp B	4.0047	EOS, Mechanical not thermal equilibrium	11.0193
EOS, detonation products, gases	4.0029	EOS, Mie-Grüneisen	4.0205
EOS, detonation products, introduction	8.0785	EOS, Mie-Grüneisen	5.0067
EOS, detonation products, Monte Carlo method	9.0452	EOS, Mie-Grüneisen	5.0196
EOS, detonation products, VLW EOS	8.0796	EOS, Mie-Grüneisen	5.0352
EOS, detonation temperature	9.0939	EOS, Mie-Grüneisen	5.0554
EOS, elastoplastic materials, Al, Cu, C-7	4.0280	EOS, Mie-Grüneisen	7.0362
EOS, Fickett & Wood	4.0052	EOS, Mie-Grüneisen	9.0050
EOS, fluid perturbation, calc. detonation pressure	9.0461	EOS, Mie-Grüneisen	9.0329

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
EOS, Mie-Grüneisen, PBX 9502	10.0079	Equation of state, low pressure	11.0336
EOS, Mie-Grüneisen, Uranium	10.0079	Equilibrium in C ₂ N ₂ /O ₂ /N ₂ , proof of CJ theory	2.0238
EOS, multipole effects on detonation products	10.0449	Equivalence of EED & unsupported detonation	9.0388
EOS, nitromethane	7.0609	Eremenko's relative detonation impulses	7.0952
EOS, nonlinear parameterization	10.0394	Erythrosin in azide photochemical initiation	2.0554
EOS, NTO	9.0489	ESD protocol	10.0938
EOS, PANDA code	9.0443	ESD test, electrostatic discharge, common HEs	9.1076
EOS, Paterson	3.0722	ET, ethyldecaborane in tetranitromethane, P _{CJ} , D	3.0744
EOS, PBX 9404	7.0407	ETARC code, chemical equilibrium model	7.0705
EOS, PBXW-128	11.1049	ETARC, a thermochemical code	9.0489
EOS, Percus-Yevick	8.0764	Ethylene/air detonation velocity vs initial pressure	9.0933
EOS, Percus-Yevick	9.0933	Eulerian, Lagrangian coordinates coupled, model	4.0529
EOS, PETN detonation products	5.0503	Eutectic, AN, cosolidification, indices	6.0448
EOS, Plexiglas	5.0477	Eutectic, AN-based HE	8.0997
EOS, PMMA	5.0477	Eutectic, AN-composite explosives	7.0801
EOS, polytropic, CJ parameters vs area	7.0589	Eutectic, m.p. of binary mixtures, liquid HE	6.0470
EOS, porous explosive	10.0167	Evans' limits in homogeneous explosives	4.0190
EOS, porous material (insulboard)	3.0396	Excess transit time vs flyer velocity	6.0660
EOS, products, EVT and PVT	11.1088	Excess transit time, thin flyer-plate impact	9.0798
EOS, RDX	7.0716	Excimer laser initiation, spectrography	8.0710
EOS, reactive mixtures, postdetonation	7.0650	Excitation and dissociation, molecular collision	9.1084
EOS, solid explosive (Tait) + isentrope	3.0610	Expanded large-scale gap test (ELSGT)	9.1284
EOS, TATB, virial, detonation products	9.0506	Expansion isentropes, TATB compositions	8.0815
EOS, theoretical	11.0933	Expansion wave behind detonation front, impact	4.0560
EOS, TIGER/BKWR, eutectics of EDD & AN	7.0555	Exploding-foil shock sensitivity test	7.0924
EOS, TNT, burn model from LSZK EOS	5.0490	Exploding-wire detonator, PETN surrounding it	1.0009
EOS, TNT, impacted, unconfined	5.0316	Explosive deflection of a liner	5.0457
EOS, TNT/NaNO ₃ 50/50	2.0519	Explosive foams, detonation properties	9.1364
EOS, unlike-pair Interactions	10.0419	Explosive grains, Comp B, TNT, M30A1	7.0899
EOS, unreacted explosive	3.0542	Explosive parameters, conical shaped charges	8.1093
EOS, unreacted explosives at high pressures	11.0951	Explosive properties, effect of SF ₅ group	9.1162
EOS, uranium after shock loading	5.0547	Explosive reaction zone, calibration for models	9.0252
EOS, VLW, CJ calculations for CHNO HEs	8.0796	Explosive shock adiabat, compressibility	7.0791
EOS, VLW, comparison with BKW and LJD	8.0796	Explosive wedge test, setup & streak record	6.0022
EOS, VLW, predicting detonation parameters	9.0435	Explosive-driven HE, shock waves in x rays	4.0646
EOS, water	3.0357	Explosive-driven metal, models	8.0602
EOS, water	4.0027	Explosive-filled transducer, charge assembly	4.0611
EOS, water, twin sphere interaction	5.0581	Explosiveness in setback simulator tests	9.1480
EOS, WCA4	8.0521	Explosiveness of large charges	9.1322
EOS, Williamsburg, non-ideal detonation	10.0377	Explosiveness, AWRE labset test	7.0017
EPR resonance, trinitroaromatics	8.0742	Explosiveness, evaluation	10.0305
EPR spectra of tetryl, TNT, DNT, and DATB	8.0742	Explosiveness, munition fillings	7.1040
EPR theory, decomposition of RDX & HMX	8.0734	Explosiveness, RARDE burning tube, confined HE	7.1040
EPR, high-acceleration chemical reaction	8.0243	Explosiveness, response, HMX-based PBXs	8.1035
EPR, products from condensed phase HEs	9.0939	Explosiveness, small-scale skid test	6.0290
EPR, radical identification	8.0734	Explosiveness, test for shear ignition	9.0003
EPR, thermal decomposition of nitramines	7.0075	Explosiveness, vs minimum impact velocity	8.0268
Equation of motion, curvature effects	1.0095	Explosive-plate interface, velocity, Comp B/SS	4.0545
Equation of state, detonation products	11.0303	Explosives in geophysical methods	11.0248

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Explosophorous bonds, sensitivity, C-NO ₂	7.0066	FCT, flux-corrected transport method	9.0320
EXTEx, minimum priming charge test model	7.0479	FDA, liquid HE, characterization	6.0467
Extrudable HE, 36 new liquid carriers	6.0466	FDEE, liquid HE, characterization	6.0467
Eyring's curved-front theory	3.0310	FDEK (AN/ADNT/EDD/KN) sensitivity	7.0804
Eyring's cylinder detonation, diameter effect	3.0787	FDNE-A,-N,-S, liquid HE, characterization	6.0467
Eyring's equation for unconfined charges	2.0461	FDNEP, liquid HE, characterization	6.0467
Eyring's theory & technique discounted	2.0452	FEFO, experimental & calculated CJ parameters	6.0713
Fabry-Perot interferometer, free-surface velocity	8.0596	FEFO, liquid HE, characterization	6.0467
Fabry-Perot interferometer, schematic	8.0124	Fiber optic detectors used with streak camera	8.0381
Fabry-Perot interferometry, applied to detonics	9.1371	Fiber optic pin	11.0422
Fabry-Perot interferometry, electron beam initiation	9.1131	Fiber optics assembly, shaped-charge test	8.0462
Fabry-Perot laser interferometry, ZrH ₂ composites	9.0525	Fiber optics, cased device, arrival time	8.0460
Fabry-Perot velocimeter, baratol deton. products	9.1378	Fickett & Wood EOS, straight-line CJ adiabat	4.0052
Fabry-Perot velocimetry, 1D, PBX 9502	9.0657	Fickett-Jacobs cycle	8.0794
Fabry-Perot velocimetry, LX-17	9.0133	Finite-difference mesh, 2 charges underwater	6.0584
Fabry-Perot vs rotating-mirror results	8.0617	Finite-difference method, flow to piston	3.0205
Failure & reignition processes, NM/PMMA/AI	6.0130	Finite-difference scheme in Lagrangian coord.	4.0528
Failure cone and failure wedge setups	8.0980	Fits to P-u points for HMX/TNT	4.0061
Failure diameter	11.1017	Fitting form design, isentrope	8.0792
Failure diameter relationship to V2d	10.0104	Fivonite, wax-gap test	1.0023
Failure diameter test assembly	9.0708	Flame analysis, tetryl, PETN, nitroglycerin	2.0572
Failure diameter theory, Dremin f(T ₀)	5.0099	Flame as reactive discontinuity	7.0225
Failure diameter, behavior of materials with large	11.1038	Flame front position in DDT	9.0320
Failure diameter, bis-difluoroamino alkanes	5.0089	Flame height predictions, HMX in DDT	7.0169
Failure diameter, calculating	9.1351	Flame propagation, convective burn model	7.0186
Failure diameter, charge setup	5.0091	Flame spread through propellant, DDT	7.0143
Failure diameter, emulsion or composite HEs	9.0573	Flame trajectory, calculated	7.0227
Failure diameter, for PBAA propellants (RDX)	4.0105	Flash gap technique, detonation pressure	5.0013
Failure diameter, gun propellants	9.0537	Flash x ray, cineradiography, high speed	7.0986
Failure diameter, nitric oxide, shot setup	6.0724	Flash x ray, Comp B, jet initiation	7.0358
Failure diameter, numerical modeling	10.0058	Flash x ray, instrumented shotgun, DEF, XDT	7.0299
Failure diameter, RDX addition	4.0097	Flash x ray, PHERMEX	4.0639
Failure diameter, solid composite propellant	4.0102	Flat plate test, electric gun initiation	8.0614
Failure effects, dark waves in liquid HE	5.0169	FLO, pressure-based, reactive flow 2D model	7.0328
Failure limit curves, TNT, diam vs density	5.0211	Flow behind reaction zone, plate dent results	2.0749
Failure mechanisms	11.0066	Flow boundary & shock wave in air, photo	5.0461
Failure mechanisms, mining safety HEs	9.1351	Flow field measurements, explosive structure	5.0033
Failure mechanisms, Moire Interferometry	11.0066	Flow fields, calculation, RFLA technique	7.0466
Failure modes in PBXs	11.0744	Flow gauges, constitutive relationships	5.0427
Failure radii, data & model, hot spots	6.0411	Flow velocity, EMV & velocimeter	7.1064
Failure radii, tests, PBX 9404 & LX-17	7.0488	Flow-resistance law of Jones & Krier	9.0329
Failure studies, scanning electron microscopy	11.0066	Fluid EOS parameters	9.0461
Failure thickness modeling, PBX 9407	9.1224	Fluid model, 1D, compressible, reactive flow	2.0313
Failure thickness, T effect PBX 9502 and TATB	10.0485	Fluid perturbation EOS, calc. detonation pressure	9.0461
Failure waves, photo mapping technique	5.0115	Fluorine as oxidizer in explosives	7.0940
Failure-diameter test assembly	9.0701	Fluorodinitromethyl compounds, sensitivity	7.0084
Falling-hammer test, MN sensitivity	5.0268	Fluoromethyl- synthesis, history	7.0084
Fast decomposition of HE, initiation	9.0857	Fluoronitroaliphatic sensitivity, oxygen balance	7.0087
Fast-burning reaction, PETN, framing camera	3.0016	Flyer acceleration, exploding metal foils	6.0653

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Flyer plate experiments, small	9.0066	Fracture surface topography, HE's	10.0190
Flyer plate impact, thin	9.0798	Fracture zone limits vs angle of incidence	5.0578
Flyer plate, collision, PHERMEX radiograph	4.0645	Fracture, brittle, viscoelastic	11.0003
Flyer plate, convergent flow driver	7.0826	Fracture, cause for initiation	9.0842
Flyer plate, critical surface area concept	7.0316	Fracture, initiation of fast decomposition	9.0857
Flyer plate, energy vs reaction response	6.0007	Fragment attack test, sensitiveness	2.0696
Flyer plate, exploding foil, sensitivity test	7.0924	Fragment attack, cased charges	10.0909
Flyer plate, impact simulation	8.0052	Fragment impact effects, plate & plug	7.1048
Flyer plate, impact test, HE sensitivity	6.0105	Fragment impact related to shock sensitivity	10.0113
Flyer plate, limiting velocity	7.0798	Framing camera, Comp B & dithekite plasma	3.0189
Flyer plate, metal-HE-metal acceleration	7.0811	Framing camera, record, NM/PMMA/Al, waves	6.0129
Flyer plate, oblique impact	4.0381	Frank-Kamenetski equation, thermal explosion	9.0003
Flyer plate, schematic, HNS sensitivity test	7.1025	Free radical shock initiation model	7.0778
Flyer plate, shock focusing	6.0062	Free radicals, HMX decomposition	8.0737
Flyer plate, slappers, air & gas effects	7.0930	Free radicals, RDX decomposition	8.0737
Flyer plate, test setup, ISL (France)	8.0362	Free-expansion, HE products, chem. & hydrodyn.	9.0953
Flyer velocity calibration curves	6.0658	Free-radical in HE by paramagnetic resonance	9.0987
Flyer velocity vs burst current density	8.1127	Free-radical products in HE, a review	9.0987
Flyers driven by multipoint-initiated HE	9.1360	Free-radical products, EPR	9.0939
Flying plate, explosively driven	11.0332	Free-surface motion, prediction & data	4.0295
Flying-foil tests in methane & vacuum, PBX 9404	4.0376	Free-surface motion, streak camera readings	4.0573
Flying-plate explosive components, SIP gage	9.0822	Free-surface rotation, oblique shock	4.0566
Foam HEs, detonability limits	9.1364	Free-surface velocity, = 2 u _p	1.0091
Foamed HE, detonation characteristics	5.0047	Free-surface velocity, flat top	2.0381
Foamed PETN charge, low-density HE systems	6.0183	Free-surface velocity, iron impacted, 25 GPa	6.0672
Foams, shocked, heated, pressure waves	4.0266	Free-surface velocity, vs (plate thickness/cd) ^{1/2}	5.0020
Foil acceleration, LX-17	9.0133	Free-surface velocity, vs plate thickness	2.0330
Foil-motion method, CJ conditions, low density	6.0185	Free-surface velocity, vs plate thickness	4.0547
Foils, confinement, reducing failure diameter	2.0474	Free-surface velocity, vs plate thickness, pins	2.0349
Forest Fire burn model vs test data	7.0479	Free-surface velocity, vs time, PBX 9404	5.0324
Forest Fire model, assessment of	10.0992	Free-volume increase, slower reaction, lower P	2.0629
Forest Fire model, constants for	10.1003	Free-volume theory, fluids, Lennard-Jones-...	1.0107
Forest Fire model, target gauge records	6.0027	Friction initiation apparatus	5.0291
Forest Fire parameters, Comp-B	10.0201	Friction sensitivity, shear ignition study	9.0003
Forest Fire, PBH-9D	9.0142	Friction test, sensitiveness testing	3.0660
Formic acid, EOS parameters	9.0443	Friction, initiation of fast decomposition	9.0857
Formulation parameters, effect on detonation properties	11.0664	Frictional work, initiation by	10.0786
Four-shock configuration, oblique, reflected	6.0572	Front & mass velocity in evacuated chambers	4.0176
FOX-7, sensitivity and performance of	11.0807	Front curvature measurements	11.0459
Fractal analysis, explosive morphology	11.0391	Front curvature, detonation	11.1029
Fractal dimension vs spectral slope	9.0918	Front-tracking method in RCM code	9.0751
Fracture in HE-metal system, scabbing/spalling	1.0033	Frozen hot spots, shocked EDC35 IHE	9.1253
Fracture patterns, impacts at differing angles	5.0575	FT-1 composite propellant, shock loading	9.0879
Fracture phenomena, from sudden release	1.0035	FT-2 composite propellant, shock loading	9.0879
Fracture phenomena, high acceleration	8.0243	FTE, liquid HE, characterization	6.0467
Fracture phenomena, XPS (spectroscopy)	8.0243	FTIR spectroscopy, thermal explosions	9.0228
Fracture strength, PBXs	9.0886	Full-motion test, AWRE cylinder test	7.0679
Fracture surface topography of HEs	9.0918	Full-surface multipoint initiation, baratol	9.1360
		Fume chemistry, diffusion & reaction model	9.1193

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Fundamental research on explosives, NO	8.0422	Gap test, wax, sensitivity, pressed/cast	1.0022
Fuze designs & technology	2.0720	Gap tests, shock sensitivity	9.1284
Gamma & CJ pressure (calc) vs dural data	3.0394	Gap tests, small & large scale	9.0566
Gamma law EOS of PBH-9D	9.0142	Gap thickness, compressive heating ignition	7.0003
Gamma law HE, detonation parameter relations	3.0754	Gas bubble, screening effect, delayed arrival	6.0587
Gamma law, (P-V behavior), Comp B	4.0008	Gas detonation, structure & instability	4.0067
Gamma law, calculations, HE parameters	8.0946	Gas effects on flyer initiation	7.0931
Gamma law, EOS vs data, CJ pressure	5.0008	Gas evolution and gas escape vs pressure	1.0110
Gamma law, EOS, P-u _p isentrope from CJ state	3.0387	Gas fractions, pyrolysis & final gas fraction	8.0938
Gamma law, modified	10.0369	Gas gun, Hugoniot, lead azide	6.0389
Gammas, Grüneisen & diab., errors, molec. props.	9.0513	Gas gun, tests, planar sustained shocks	7.0385
Gammas, Grüneisen and adiabatic	8.0791	Gas imperfection factor f defined, K-W EOS	2.0385
Gap test modeling	9.1451	Gas in supersonic nozzle flow, shock-like	2.0295
Gap test, 8-in.-diam confined, instrumented	8.0228	Gas nonideality in CJ state, Schmidt equation	2.0204
Gap test, card, propellants, confinement	3.0823	Gas passing through shock front into reaction	1.0043
Gap test, cavitation effect on sensitivity	7.0373	Gas pockets in low-velocity detonation	2.0582
Gap test, critical failure diameter	3.0800	Gas shock velocities, HMX/TNT/inert	4.0057
Gap test, critical shock initiation	7.0278	Gasdynamic flow functions, dimensionless	6.0592
Gap test, cylindrical	4.0462	Gas-dynamical model, RDX/TNT initiation	8.0196
Gap test, data vs fragment impact data	8.1151	Gaseous detonation waves, air cycle calc	2.0266
Gap test, ERDE, sensitiveness	2.0646	Gaseous detonation, photos, O ₂ -H ₂ , O ₂ -CO	2.0281
Gap test, historical work	3.0785	Gaseous detonation, rapid density changes	2.0187
Gap test, IHE	9.0123	Gaseous flow from metal tube (2D), code	3.0226
Gap test, initiation threshold, TNT	6.0036	Gaseous HEs, dense, detonation characteristics	9.0933
Gap test, interstitial gas effects	5.0247	Gas-Gas separation, hi P and hi T fluids	10.0441
Gap test, liquid monopropellants	3.0436	Gas-gun SDT experiments	9.0039
Gap test, low-amp shock initiation (LASI)	7.0285	Gas-phase chemistry on hot-spot formation	9.0906
Gap test, low-order reactions in shocked HE	4.0462	Gas-phase conservation equations	9.0363
Gap test, model vs LANL & NOL results	7.0479	Gas-phase influence on laser ignition	9.0162
Gap test, modified	8.1131	Gas-phase reactions in DDT	7.0216
Gap test, modified, low-velocity detonation	7.0575	Gas-phase reactions in ignition zone	9.1151
Gap test, modified, underwater shock to burn	4.0488	Gauge calibration, pressure, carbon resistor	5.0054
Gap test, more reliable for monopropellants	2.0695	Gauge records, perfect vs model	7.0472
Gap test, NM, 50% gap > with Al confinement	3.0798	Gauge rise time & particle velocity (EMV)	7.1064
Gap test, NOL, shock pressure to initiation	3.0584	Gauge, electromagnetic velocity technique	5.0413
Gap test, perpendicular, low-order reactions	4.0463	Gauge, EM, reaction rates	8.0099
Gap test, schematic cross section	5.0220	Gauge, EM, reaction rates from	8.0083
Gap test, sensitiveness testing	3.0660	Gauge, embedded vs VISAR in reactive flow	8.0955
Gap test, sensitiveness, constant primer	2.0602	Gauge, EMP, intermolecular HE reaction	8.0187
Gap test, sensitivity, liquid HE systems	4.0412	Gauge, ionization & piezoelectric	2.0201
Gap test, setup, TATB and HMX compounds	8.0897	Gauge, manganin wire, pressure measurement	6.0625
Gap test, setup, vacuum vs air	7.0005	Gauge, manganin, low resistance	7.0386
Gap test, shock wave sensitivity in liquids	7.0575	Gauge, manganin, multiply embedded	6.0021
Gap test, shocked H-6 & PBXW-109	7.0308	Gauge, manganin, strain compensated	6.0330
Gap test, small-scale test setup	5.0261	Gauge, multiple Lagrange, TNT	6.0786
Gap test, TATB formulations, Pantex	7.0430	Gauge, multiple, studies <i>in situ</i>	7.1062
Gap test, wax as inert barrier	3.0787	Gauge, particle velocity, new	8.0447
Gap test, wax effects on sensitivity	4.0401	Gauge, PBX 9501 ejecta	7.0883
		Gauge, pressure, carbon resistor	5.0047

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Gauge, pressure, carbon resistor	9.0537	Grüneisen EOS for inert materials	9.0670
Gauge, quartz, study, upstream of shocked HE	5.0435	Grüneisen EOS, coefficients, Cu and Al	8.0615
Gauge, quartz, technique for impact tests	5.0369	Grüneisen EOS, unreacted porous TNT	6.0767
Gauge, quartz, thick, PMMA	4.0222	Grüneisen parameter, evaluation, metals	4.0205
Gauss quadrature points	9.0293	Grüneisen parameter, measurement, HNS II	6.0742
Gaussian 86 code, potential energy calculations	9.1027	Grüneisen parameter, precompression effects	5.0068
GAUSSIAN82 computer program	9.1185	Gun launch, simulated, defects in shell fillings	9.1480
GBFO, liquid HE, characterization	6.0467	Gun propellants, detonation characteristics	9.0537
Ge and Bi, complex shock waves	5.0408	Gurit charge, precursor air shock, detonation front	8.1071
Gelignite, shock parameters, mining explosive	4.0559	Gurney constant, simpler prediction	7.0952
GEM-dinitro compounds, impact tests, OB/100	3.0676	Gurney curve vs calculated efficiencies	7.0824
Geochemical detonation in supercooled magma	9.1199	Gurney energy vs initial density for CP	7.0870
Gibbs free-energy, equilibrium composition	4.0168	Gurney equation, determining JWL parameters	9.0498
Gibbsian EOS	9.0513	Gurney model and Thomas' synthesis	8.0602
Gittings' flying foil results, vacuum/methane	8.1061	Gurney model, fragment velocities	4.0019
Glass microballoons, emulsion explosives	8.0993	Gurney velocity, casing expansion model	7.0834
Glass mousetrap plane-wave generator	8.0447	Gurney-JWL energy relation	9.0498
Glass transition point of Kel-F-800	9.0123	H/HN performance	9.0478
Global method, calibration of constitutive relations	9.0252	H-19 propellant, characterization	9.1060
Glucose/NG, TIGER calculations	9.0972	H ₂ O/N ₂ phase separation at high pressure	10.0441
Glycol dinitrate, diluent effects in NM	7.0583	H-6, anomalous inverse sensitivity, LASI	7.0293
GMB, concentration effect on NM-PMMA deton.	9.0925	H-6, burning and detonation, gap test	7.0308
Grain burning, buildup to detonation	6.0011	H-6, Hugoniot data for unreacted explosive	5.0251
Grain fracture	9.0280	Hardness numbers, growth surface of RDX	7.0980
Grain morphology, effect on HE behavior	9.1271	Hazard classes, velocities of propellants	6.0303
Grain size and combustion	9.1271	Hazard potential, liquid HE, large mass	6.0122
Grain-burning model, reaction zone model	3.0310	Hazard response to impact, energetic materials	9.1243
Grain-burning modes	9.0280	Hazard tests	11.0428
Grain-burning process	9.0050	HBX, measured detonation velocity, 0-54 kpsi	5.0073
Granular beds, HMX, DDT	9.0265	HBX/TNT/Al, v-D curves, wave shape vs D	2.0733
Granular decomposition, laminar grain burning	7.0394	HBX-1 Hugoniot	9.0379
Granular HE detonations model	8.0035	HBX-1, density, cd, D, experimental pressure	3.0376
Granular HE, pressed, shock to initiation	3.0562	HBX-1, electron-beam initiation	7.0050
Granular material, simulation of compaction wave	9.0306	HBX-1, stability & expansion behavior	5.0523
Granular materials, compressive combustion	9.0293	Heat capacities, calculated, C, O, N, CN, CO, O ₂	2.0239
Granulometry effect on Mach reflection	8.0437	Heat detonations, porous solids, model	9.1199
Graphite EOS effect on D vs initial density	2.0392	Heat of detonation, Cu cylinder test	9.0478
Graphite formation	11.0480	Heat of detonation, SF ₅ model compound	9.1162
Graphite, diamonds & volatiles in detonation soot	9.1170	Heat of explosion x mass burn = sensitiveness	2.0643
Graphite, polymorphic transformation, detonation	9.0766	Heat pulse, formation & transmission	3.0575
Grit effect on frictional initiation	5.0295	Heat release, plane and hemispherical waves	8.0147
Group 1/Group 2 Behavior	11.0293	Heat release, rate along shock trajectory	8.0143
Growth of detonation from initiating shock	3.0534	Heat release, vs velocity, gaseous detonation	2.0268
Growth of reaction in small charges, tests	6.0290	Heat transfer factor in initiation	3.0793
Growth to detonation in acceptor, high order	2.0626	Heat transfer, from (P, V, E)	7.0504
Growth to detonation, C-4 & AP, interferometry	4.0584	Heated HE, ESD sensitivity	9.1076
Grüneisen Γ , sensitivity to molecular properties	9.0513	Heat-flux, time dependent, ignition effect	10.0856
Grüneisen Γ along CJ adiabat, HNB	7.0655	Heats of formation, at 298 K, explosives	8.0808
Grüneisen coefficient for granular explosives	5.0351	Heats of formation, CN, C ₂ N ₂ , C, N, O	2.0240

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Heats of formation, maximum rate of burn	2.0683	High-velocity metal jets	8.0318
Heats of formation, RDX, TNT, ...	2.0388	HMX explosives, microstructural evolution	11.0556
Heat-sensitive film record, hot spots, shear	7.0970	HMX performance, cylinder test, Q	9.0478
Heat-sensitive-film techniques	9.0886	HMX porous bed response, deflagration & shock	9.0280
Heaviside function	9.0293	HMX powders & polymer HEs, deform. & deton.	9.0886
Heavy-fragment impact sensitivity, ONTA	9.1008	HMX, 3D hydrodynamic hot-spot model	8.0044
Helmholtz free-energy calculation, HNS	6.0751	HMX, bubble energy, underwater expansion	6.0546
Helmholtz instability, 2D, fluids' interface	4.0305	HMX, chemical decomposition model	7.0056
HEMP model, HE charge inside Cu cylinder	4.0520	HMX, CJ properties, oxygen balance	8.0547
HEMP, 2D elastic-plastic code, diverging wave	5.0477	HMX, confinement influence on sensitivity	7.0966
Henry model, Gurney velocity, HE casing	7.0834	HMX, content, effect on explosiveness	8.1035
Herrmann model, compacted porous material	7.0428	HMX, convective burn at higher pressures	3.0077
Herrmann model, parameters for 5 porous HEs	6.0772	HMX, converging spherical detonation	7.0602
Heterogeneity, effect on performance	9.0197	HMX, D (km/s), density	8.0514
Heterogeneous commercial HE	9.0869	HMX, DDT model, TIGER code	8.0672
Heterogeneous composite HE (H.C.X.)	8.1011	HMX, DDT phenomena in small diameters	7.0107
Heterogeneous detonation wave propagation, 2D	6.0405	HMX, DDT study, plastic tubes	7.0119
Heterogeneous HE reaction zone, calculated	9.0693	HMX, detonation temperature measurement	9.0947
Heterogeneous HE reaction zone, model	7.0641	HMX, detonation temperature, pyrometer	8.0574
Heterogeneous HE, thermal ignition & combustion	9.1070	HMX, Doppler laser interferometer study	8.0135
Heterogeneous initiation, SDT	9.0039	HMX, experimental & calculated CJ parameters	6.0713
Heterogeneous shock-heating effect	6.0076	HMX, fracturing data, four porosity levels	9.0363
Heterogeneous/homogeneous initiation	10.0831	HMX, granular, DDT	9.0265
HEVR experiments	11.0101	HMX, HMX/Kel-F cylinder test results	4.0005
HEVR modeling	11.0111	HMX, hot-spot initiation	7.0398
Hexatol, hexotonal, hexotolif data	6.0513	HMX, ignition data in DDT	7.0217
Hexogen wax/ballistite generator, DDT	7.0157	HMX, impact sensitivity and OB/100	3.0674
Hexotol, bubble energy, underwater expansion	6.0546	HMX, interstitial gas effects on sensitivity	5.0247
Hexotonal, bubble energy, underwater expansion	6.0546	HMX, interstitial gases, sensitivity	4.0349
High-confinement DDT, WC140, TS3659, WC231	9.0341	HMX, jet penetration model	8.0337
High-density inclusions, small thermal effect	6.0336	HMX, laminar to convective burning, DDT	7.0164
High-density polythene (HDPE) binder	7.0034	HMX, laser ignition test	8.0476
Highest energy of energetic composite materials	9.0554	HMX, low-density shock Initiation	10.0166
Highly localized structures, molecular dynamics	9.0713	HMX, mechanical properties	8.0637
High-order behavior, diameter effect	9.0197	HMX, mixtures with emulsion explosives	9.0545
High-order detonation, onset & transition	3.0517	HMX, monocrystal decomp. vs shock pressure	9.0172
High-order detonation, surface discontinuity	3.0520	HMX, nature of hot spots in TATB & HMX	9.0897
High-oxygen HE, D vs initial density	1.0028	HMX, paramagnetic decomposition products	8.0734
High-pressure activator	9.0003	HMX, particle size distributions, micrographs	8.1036
High-rate deformation, HE crystals	9.0058	HMX, particle size, effect on explosiveness	8.1035
High-resistance manganin foil gauge, det. pressure	9.0471	HMX, performance model for composite HE	7.0517
High-speed framing camera, impact initiation	3.0010	HMX, physical properties, polymers, drop-weight	7.0033
High-speed particle initiation, azides	2.0565	HMX, polymorphs, differing sensitivity	3.0665
High-speed-machining test of NTO	9.1001	HMX, porous bed compaction, strain rate	8.0645
High-strain-rate impact tests, rocket propellant	9.1052	HMX, porous, Pop plot, model vs test data	8.0967
High-temp detonator study, BTX in SE-1	6.0460	HMX, precursors in detonation	7.0877
High-temp effects, time to explosion	3.0060	HMX, prompt laser initiation	9.1110
High-temp thermodynamics & gaseous detonation	2.0231	HMX, propagation of detonation from impact	9.0798
High-vacuum detonation, species separation	5.0559	HMX, quasi-static compaction	8.0645

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
HMX, quasi-static compaction pressure	9.0280	HN/HH, detonation-front temperature	9.0939
HMX, reflection spectra & ignition threshold	9.1100	HNAB, Hugoniot data, two densities	7.0416
HMX, retarded detonation, tricks (chicanery)	6.0226	HNAB, initiation by electrically driven flyer	8.1126
HMX, rubber-bonded sheet explosive	4.0496	HNAB, polymorphic forms (I, II), thresholds	8.1126
HMX, self-pressurizing bomb experiments	7.0172	HNB performance, Cu cylinder test, Q	9.0478
HMX, shock ignition characteristics	7.0463	HNB, CJ properties, oxygen balance	8.0547
HMX, shock initiation, tests and models	8.0892	HNB, detonation velocities	8.0538
HMX, spectroscopic study of detonation	8.0691	HNB, isentrope behavior, fluorine oxidizer	7.0942
HMX, steady-state burn rates	7.0219	HNB, postdetonation properties, CJ points	7.0647
HMX, surface-melting crystals effect on burn	5.0311	HNDZ, time-to explosion	9.0228
HMX, surface-to-volume ratio	9.0280	HNS II, EOS & shock initiation	6.0740
HMX, temperature, measured and calculated	8.0558	HNS linear-shaped-charge design	9.1385
HMX, thermal decomposition at P=10-50 kbar	5.0331	HNS MDF, output measurements & modeling	9.1519
HMX, thermal initiation and growth	5.0280	HNS powders, isothermal compressibility	9.0209
HMX, thermochemical data, application to NTO	9.0489	HNS, chemical reaction, shock-initiated	8.0015
HMX, thermophysical & material property data	9.0293	HNS, chemistry in free expansion of HE products	9.0953
HMX, time to explosion	9.0228	HNS, CJ properties, oxygen balance	8.0547
HMX, wedge test, smear camera record	3.0511	HNS, DDT studies, small diameters	7.0107
HMX, W-loaded, X-0233, detonation tests	8.0979	HNS, detonation properties, carbon EOS	8.0528
HMX, x-ray and infrared studies, bonds	7.0779	HNS, enhanced temperature and pressure	6.0062
HMX, x-t DDT data	9.0306	HNS, EOS & chemical kinetics	6.0748
HMX/Al mixture, pressure and temperature measurements	11.0979	HNS, fine-grained, reactive model	9.0209
HMX/Al/Viton, perchlorates, cylinder tests	5.0140	HNS, impact sensitivity and OB/100	3.0681
HMX/AP mixtures, composite HE model	7.0517	HNS, in Comp B, reduced thermal hazard	8.0252
HMX/AP mixtures, nonideal detonation	7.0620	HNS, initiation threshold, high T ₀	6.0044
HMX/AP/ZrH ₂ /Estane, meas. of reactive flow	9.0525	HNS, laser ignition test	8.0476
HMX/binders, explosiveness effect, LABSET	8.1039	HNS, laser initiation	9.1118
HMX/binders, explosiveness, LABSET	7.0017	HNS, mechanical properties, drop weight	8.0642
HMX/inert, best fits to Taylor waves	6.0633	HNS, microstructure effect on sensitivity	8.0026
HMX/NC/CEF, electron beam initiation	7.0053	HNS, mild detonating fuse output measurements	9.1510
HMX/NG & HMX/TNT, light emission tests	5.0158	HNS, optical absorption	7.0935
HMX/nylon, energy threshold, P-t plot	6.0108	HNS, products in pre-ignition reaction zone	9.0162
HMX/polybutadiene, sensitivity and performance	8.1132	HNS, prompt laser initiation	9.1110
HMX/polyurethane, AWRE EOS method	7.0679	HNS, reflection spectra & ignition threshold	9.1100
HMX/TATB, chemical decomposition model	7.0056	HNS, sensitivity	7.1024
HMX/TATB/BTF, temperature, cylinder test data	8.1020	HNS, sensitivity and performance, SDDT model	8.1132
HMX/TNT, divergent waves & retonation	4.0426	HNS, shock Hugoniot & initiation threshold	5.0219
HMX/TNT, polytropic γ , energies, velocity	5.0462	HNS, slapper detonator	9.0209
HMX/TNT/inert, CJ point from velocities	4.0056	HNS, spectroscopic study of detonation	8.0691
HMX/TNT/inert, plate & cylinder driver	4.0023	Hollow charges, multiprofile streak technique	7.0751
HMX/Viton, radius-of-curvature effect	4.0086	Hollow-sphere configuration modeling	9.0906
HMX/W Hugoniot, ρ/ρ_{CJ} vs u/u_{CJ}	9.0379	Holography, pulsed laser, HMX in DDT	7.0165
HMX/water, initiation, particle size effects	9.0025	HOM EOS	9.0751
HMX/wax, surface coat effect on sensitivity	4.0399	HOM EOS of PBH-9D	9.0142
HMX/ZnCl ₂ , temp. & conc. effect on sensitivity	5.0185	HOM EOS, underwater shocks, Mach stem press.	6.0570
HMX-based customized explosives	7.0566	Homogeneous detonations, 2D model	6.0405
HMX-based PBXs, explosive response, AWRE test	8.1035	Homogeneous HE, liquid NO	9.1335
HN/H ₂ O, detonation-front temperature	9.0939	Homogeneous HE, SDT theory	9.0219
		Homogeneous HE, techniques to ensure them	2.0119

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Homogeneous initiation, SDT, <i>in situ</i>	9.0039	Hot spots, nanostructure	11.0443
Homogeneous processes in heterogeneous mat.	10.0947	Hot spots, reactive porous beds	9.0259
Homologous series of polynitroaliphatic HEs	9.0461	Hot spots, shear bands in crystals	9.0058
HOM-SG EOS, decomposition estimate	6.0025	Hot spots, shock causes thermal reactions	3.0518
HONDO finite-element material code	9.0363	Hot spots, shocks + density discontinuities	6.0405
Hondo/Krier, combustion model + dynamics code	6.0258	Hot spots, size, critical, propagating NM	4.0395
Hook effect, corner-turning propagation	7.0625	Hot spots, slurry HE under impact, model	7.0343
Hook effect, dark zone, rarefactions	3.0802	Hot spots, surface burning in porous solids	3.0801
Hook effect, observations, theory, rarefactions	3.0786	Hot spots, theory, first proposed	3.0842
Hopkinson bar, apparatus, strain rate data	8.0635	Hot spots, thermally decomposed intermediates	8.0725
Hopkinson bar, miniaturized	9.0886	Hot spots, time evolution, model	9.1193
Hopkinson bar, modified, tests on rocket propellant	9.1052	Hot spots, volume fraction	6.0372
Hopkinson bar, shock pressure test	2.0657	Hot-needle test	11.0311
Hot boundary of 1D detonation wave (σ)	4.0082	Hot-plate and hot-wire sensitivity tests	5.0280
Hot cell experiments	11.0128	Hot-spot formation	9.1243
Hot spot formation and ignition model	10.0509	Hot-spot formation, collapsing void, condensed HE	9.0906
Hot spot initiation	11.0412	Hot-spot generation & extinction	9.0604
Hot spots	9.0842	Hot-spot generation, model of reaction rate	9.0593
Hot spots	9.0886	Hot-spot initiation, drop-weight test	10.0219
Hot spots by dynamic compaction	9.0341	Hot-spot reaction in DDT	9.0293
Hot spots, AP, single crystals	9.1260	Hot-spot residue, physical nature	9.0897
Hot spots, cause of gas inclusions	6.0336	Hot-wire initiation of primary explosives	5.0339
Hot spots, cavity initiation	2.0643	HTPB PBXs, RDX crystals	9.0083
Hot spots, Comp B, in-bore explosions	8.0252	HTPB/PDL binders	7.0017
Hot spots, crystals defects	10.0286	Hugoniot calculations, porous reactive material	9.1199
Hot spots, DDT, compaction of porous HE	8.0881	Hugoniot data, various materials	9.1441
Hot spots, decomposition at low pressure	6.0029	Hugoniot measurements, rocket propellants	9.1060
Hot spots, formation mechanisms	6.0069	Hugoniot, (theoretical) of metals vs data	4.0209
Hot spots, formation, explosive crystals	8.0062	Hugoniot, brass, pressure vs u_p	3.0567
Hot spots, frozen, shocked EDC35 IHE	9.1253	Hugoniot, condensed-phase explosives	4.0241
Hot spots, high rate deformation & shocks	7.0970	Hugoniot, data, least-square fits	5.0222
Hot spots, initiation, microhardness of RDX	7.0976	Hugoniot, detonation & deflagration branches	6.0238
Hot spots, initiation, varying planar figures	7.0797	Hugoniot, elastic limits in Al-Cu alloys	6.0151
Hot spots, interacting shock in NM, model	5.0180	Hugoniot, equation, detonation products	2.0386
Hot spots, low impact & low amplitude	7.0970	Hugoniot, experiments, SDT, small powder gun	8.0907
Hot spots, model, Al & void in NM cylinder	4.0394	Hugoniot, Insulboard	3.0401
Hot spots, model, cavity collapse	8.0068	Hugoniot, lamellar Al-Cu composites	6.0155
Hot spots, model, chemical, pressure loading	8.0926	Hugoniot, liquid N ₂ , CO ₂ , O ₂	7.0649
Hot spots, model, EMP velocity gauge data	8.0190	Hugoniot, low pressure, of solid HE	4.0239
Hot spots, model, heterogeneous HE	7.0394	Hugoniot, polyurethane foams	6.0492
Hot spots, model, initiates bulk reaction	6.0371	Hugoniot, reaction products	9.0379
Hot spots, model, reaction centers	7.0435	Hugoniot, shock initiation threshold, Pb(N ₃) ₂	6.0389
Hot spots, model, reaction spots origin	8.0678	Hugoniot, steam	2.0307
Hot spots, model, shear band nucleation	8.0035	Hugoniot, unreacted explosives	5.0251
Hot spots, model, shock-compressed HE	7.0523	Hugoniot, unreacted porous high explosives	6.0766
Hot spots, model, temp dependent, 3 terms	8.0951	Hugoniot, unreacted, EOS, < 90 kbar	4.0240
Hot spots, model, thermal energy, pore collapse	8.0026	Hugoniot, with too much Al, envelopes	1.0114
Hot spots, model, void collapse	7.0506	Hugoniot-Rayleigh line intersection, steam	2.0298
Hot spots, multiprocess detonation	9.0724	HULL Eulerian code, composite HE model	7.0517

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
HV4, thermal initiation and growth	5.0280	Ignition & growth rate, LX-17, velocimetry	9.0133
HW4, growth of reaction, skid test	6.0290	Ignition & growth reaction rate law, ZND model	9.0670
HW4, thermal initiation and growth	5.0280	Ignition and growth model	10.0963
Hydrazine mononitrate, detonation velocity	1.0008	Ignition and growth, comparison of effects	10.0987
Hydrazine mononitrate, reaction time	1.0056	Ignition by rapid compression of air	7.0003
Hydrazine mononitrate, wax-gap test	1.0023	Ignition energy vs pressure	9.0162
Hydrazine nitrate (HN), high-vacuum detonation	5.0559	Ignition mechanisms, launch environment	9.1460
Hydrazine nitrate/hydrazine hydrate solution, prop.	9.0939	Ignition of deflagration and detonation	11.0412
Hydrazine nitrate/water solution, properties	9.0939	Ignition studies, mechanical & chemical	4.0477
Hydrazoic acid, unimolecular decomposition	8.0828	Ignition tests, RDX/TNT	8.0255
Hydrocarbon-air compressed mixtures	9.0933	Ignition thresholds, TNT, LX-14, Comp A-3	9.1460
Hydrocode RUBY, aluminized HMX, perchlorates	5.0141	Ignition vs buildup, SSGT, Australian	9.0098
Hydrocodes, 2DE, hot spots, rarefactions	5.0177	Ignition wave in DDT, HMX	9.0265
Hydrodynamic codes, 1D & 2D, used with tests	4.0519	IHE EDC35, effect of wall on detonation velocity	9.0831
Hydrodynamic elastic plastic theory in metals	4.0289	IHE EDC35, frozen hot spots in shocked	9.1253
Hydrodynamic motion, 2DE shell code	5.0487	IHE gap test, EDC35 (95 TATB/5 Kel-F)	9.0123
Hydrodynamic solution, reflected shock, FS	3.0264	IHE gap tests, (ELSGT) at AFATL	9.1284
Hydrodynamics, HIEX 1D model, duration effect	5.0191	IHE lab-scale sensitivity testing	7.0965
Hydrodynamics, PHERMEX radiography, rarefact.	4.0642	Image dissection multiple-frame photography	2.0169
Hydrogen bonding, TATB	9.0153	Image intensifier camera, multiple exposure	6.0664
Hydrogen increases performance > carbon	8.1003	Impact (plate) initiation, RDX/TNT model	8.0198
Hydrogen peroxide-glycerol, LVD & HVD, gap	4.0412	Impact hazard response, energetic materials	9.1243
Hydrogen-oxygen, detonation, schlieren photo	2.0284	Impact heights (50%) vs OB/100 values	6.0317
Hydrogen-oxygen, mixtures, stoichiometric	2.0258	Impact ignition	10.0094
Hydrostatic compression instrument	9.1295	Impact ignition model	7.0459
Hydrostatic compression of HE, their products	6.0700	Impact initiation	10.0148
Hydroxyl-terminated butadiene (HTPB)	7.0017	Impact initiation	11.0254
Hypervelocity impact data, steel, Al, Pb	8.1153	Impact initiation, critical conditions	7.0316
Hypervelocity wave phenomena, condensed HE	3.0304	Impact initiation, flow of material	10.0219
Ideal and nonideal detonations	8.0988	Impact initiation, HE crystals	9.0058
Ideal gas, adiabatic compression, equation	2.0584	Impact initiation, HEs by projectile	9.1441
Ideal mixing, accuracy	9.0443	Impact initiation, low-order explosives	6.0325
Ideal/nonideal HE, wave shape measurement	2.0500	Impact initiation, military explosives	2.0612
IDEX code, adiabatic γ & Grüneisen Γ	9.0513	Impact initiation, propellants	9.1052
Igniter compaction of inerts	7.0843	Impact machine, ERL, high rate deformation	7.0970
Igniter effect on DDT	9.0320	Impact machine, framing-camera study	3.0010
Igniters for DDT, Pb_3O_4 /tetrazene/B	9.0320	Impact machine, sensitiveness tests	3.0660
Igniters for KNO_3 /Zr	9.0320	Impact on heavily confined HE targets	8.0294
Igniters, DDT effects in plastic tubes	7.0143	Impact on HEs, spherical projectile	9.1427
Ignition & growth flow, computer models	9.0701	Impact phenomena, explosives & propellants	6.0336
Ignition & growth model, 2D Lagrangian	7.0488	Impact region, propagation of detonation from	9.0798
Ignition & growth model, DYNA2D	7.1035	Impact response, confined charges	8.0262
Ignition & growth model, LX-17	9.0112	Impact response, flat & round-nosed vs code	7.0325
Ignition & growth model, porous HE	7.0234	Impact response, fragment attack	7.1048
Ignition & growth model, propellant cracks	7.0186	Impact response, instrumented shotgun tests	7.0299
Ignition & growth model, SDT, composite HE	9.0593	Impact response, low amplitude & low impact	7.0970
Ignition & growth model, TATB EOS	8.0588	Impact response, molecular dynamics study	7.0783
Ignition & growth model, three terms, PBX	8.0902	Impact response, small cylinders, thresholds	7.0273
Ignition & growth of reaction, summary	4.0512	Impact response, two mechanisms	8.1150

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Impact sensitivity & OB ₁₀₀ , 78 Explosives	6.0314	Infrared-sensitive photomultiplier tube	5.0339
Impact sensitivity, critical air gap	2.0628	Initiability test, HMX by PBX 9404	8.1064
Impact sensitivity, machine, colliding ball	3.0001	Initial decay time constants, underwater	6.0556
Impact sensitivity, organic HE structure	6.0312	Initial temperature vs burning-front velocity	9.1070
Impact sensitivity, oxygen balance	3.0693	Initiating power vs sensitiveness, D	2.0608
Impact sensitivity, tests, EA eutectics	7.0548	Initiation & propagation, primary HEs	9.1100
Impact sensitivity, thermal explosion time	3.0069	Initiation by adiabatic shear	9.0886
Impact techniques, high rate mechanical properties	11.0286	Initiation by electron beam of TATB HEs	9.1131
Impact tests of explosives	11.0093	Initiation by fracture, plastic flow & void collapse	9.0842
Impact with transient confinement	5.0279	Initiation by impact, propellants	9.1052
Impact, low-velocity projectile, composite HE	9.1047	Initiation depth vs brass u_{FS}	3.0567
Impact, tandem and axisymmetric, propellant	8.0287	Initiation diagnosis, shock, 2-D	9.0077
Impact-face stress records	7.0867	Initiation mechanism, jet on covered HE	9.1404
Impacting surfaces, aligning & adjusting	5.0384	Initiation model for heterogeneous HEs	9.0604
Impact-loaded void model	7.0783	Initiation modeling, simplified	11.0909
Impedance effects on detonation failure	8.0378	Initiation of fast decomposition in solid HE	9.0857
Impedance match determines particle velocity	5.0251	Initiation of HEs by projectile impact	9.1441
Impedance matches, shock waves	7.0908	Initiation phenomena, shaped-charge jets	9.1416
Impedance matching effect, measured det. T	9.0947	Initiation process, Lagrangian gauge study, EAK	9.0089
Impedance matching plate & HE, reflection = 0	1.0091	Initiation properties, 95 TATB/5 Kel-F 800	9.0123
Impedance-mismatched systems	2.0363	Initiation study, time-resolved spectrometry	9.0172
Impulse & energy fluxes, calculated	6.0557	Initiation threshold experiments, IHE	9.1131
Impulse time integral, PBX 9502	9.0683	Initiation threshold, small flyer-plate experiments	9.0066
Impulse-gauge data, PBX 9502	9.0683	Initiation, adiabatic cavity compression	2.0645
In-bore thermal explosions, Comp B	8.0251	Initiation, centering device	8.0336
Inclusion geometry effects on initiation	4.0386	Initiation, criteria, particle velocity	6.0071
Index, detonation symposia	11.1145	Initiation, criteria, pressure vs pulse length	7.0429
Indexes of Detonation Symposia, 1951-1985	9.1543	Initiation, delayed, opaque rarefaction zone	3.0468
Induction period, gaseous detonation	1.0049	Initiation, gradients in metastable compound	3.0842
Induction period, memory effect	3.0042	Initiation, ignition & growth summary	4.0512
Induction test, safety analysis models	9.1070	Initiation, IHE by low-amp compression	6.0115
Induction time τ vs thickness of inclusions	4.0389	Initiation, impact, excitation & dissociation	9.1084
Induction time dependence on shock pressure	3.0487	Initiation, impact, HE crystals	9.0058
Induction zone in TNT, variable densities	2.0370	Initiation, laser, secondary HEs	9.1118
Inert additives, effect on HE	5.0464	Initiation, liquid NO	9.1335
Inert binder effects on cast-cured PBX	7.0560	Initiation, molecular crystal (MD)	8.0870
Inert gas effect in gas reaction zone	2.0196	Initiation, multipoint, slab, optical data vs xray	9.1360
Inert solids, shock wave research on	4.0321	Initiation, NM homogeneous & heterogeneous	9.0039
Inert witness foams, low-density HE systems	6.0183	Initiation, particle-size effects, HMX	9.0025
Inert-HE interface, decomposition effect	6.0029	Initiation, plastic flow, fracture, friction, voids	9.0857
Infinite confinement for NM in metal tubes	2.0455	Initiation, porous propellant	8.0293
Infinite confinement in 0.1-in. Pyrex tubes	2.0439	Initiation, prompt laser, secondary HEs	9.1110
Infinite diameter detonation velocity, C ₂ N ₂	2.0236	Initiation, shock, LX-17 vs temperature	9.0112
Infinite diameter detonation velocity, TNT	3.0327	Initiation, transient in dilute explosives	7.0448
Infinite diameter velocity, Al concentration	6.0124	Insensitive high explosives	11.1023
Infinite diameter vs density, deviations, TNT	3.0345	Insensitiveness vs oxygen balance, CHNO HE	3.0697
Influence on detonation, polymorphous transform.	9.0766	Instability of interface, two fluids	4.0305
Infrared radiometry, time-resolved	7.0993	Interacting detonation waves in condensed HE	4.0154
Infrared spectra, NM, high-pressure	5.0331	Interaction potentials, H ₂ O, N ₂ , and CO ₂	10.0425

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Intercrystalline friction	9.0857	Isomeric cast primary explosives, DDT studies	6.0231
Intercrystalline potential, HE crystals	9.0058	Isophorone di-isocyanate (IPDI) binder	7.0017
Interface calculation, Al/HE, acoustic approx	4.0524	Isothermal compression of HE & their products	6.0700
Interface equation solution, graphical model	5.0254	Isotherms, gas bubbles in radius-time plane	6.0342
Interface instabilities, Lagrangian mesh	4.0316	Isotopically labeled thermal decomposition	11.0241
Interface velocimetry, PBX 9502	9.0657	JA2, detonation characteristics	9.0537
Interface velocity histories	8.0123	Jacobs equations of state	6.0162
Interferogram of reactive Mach stem in gas	4.0071	Jacobs-Cowperthwaite-Zwisler (JCZ) EOS	6.0163
Interferometer development, Doppler shift	6.0673	Jacobs-Roslund formula threshold velocity	7.0332
Interferometer quadrature signal	8.0468	JCZ database, extension of	11.0958
Interferometry, gauge risetime in PMMA	7.1063	JCZ EOS, detonation products, TIGER code	6.0162
Intergranular cavities, effect in RDX	10.0286	JCZ EOS, single species for hydrocodes	7.0721
Intermolecular HE EAK, Lagrange gauge study	9.0089	JCZ3 EOS, dense gaseous HEs	9.0933
Intermolecular HE, EA eutectic tests	7.0548	JCZ3 EOS, for TIGER	6.0166
Intermolecular HE, EAK, wedge tests	8.1001	JCZ3 EOS, Hugoniot and detonation products	10.0433
Intermolecular HE, prospects	9.0554	JCZ3 EOS, postdetonation behavior model	7.0646
Intermolecular HE, reaction, EMP gauges	8.0187	JCZ3 EOS, quatuor model	8.0765
Intermolecular HE, small divergence	8.0176	JCZ3P EOS, detonation properties of CHNO HE	7.0713
Intermolecular potential parameters, HE products	9.0513	Jet diameter, Viper	10.0107
Internal cavities in sample, setback simulator	9.1480	Jet initiation mechanism, covered HE	9.1404
Internal damage of propellants	11.0170	Jet initiation, bow-wave effects	10.0069
Interstitial gas effect, low-density compacts	4.0349	Jet Initiation, case effects	10.0069
Interstitial gas effect, sensitivity & times	5.0247	Jet initiation, characteristics, bare HE	8.0323
Intragranular stress vs plastic strain rate	8.0645	Jet initiation, Comp B	7.0352
Intragranular stress, compaction of inerts	7.0843	Jet initiation, confined acceptor charges	9.1416
Inverse method, CJ pressure,	5.0075	Jet initiation, conical shaped charges	8.1091
Inverse multistreak technique, WH symmetry	7.0751	Jet initiation, nitromethane	10.0104
Iodine in H ₂ -O ₂ , light absorption of front	2.0217	Jet initiation, particulated	11.0279
Ion probe assembly, diameter effect tests	4.0097	Jet initiation, propellant	10.0122
Ion-exchanged explosive (EIE), axial fuse	4.0156	Jet initiation, solid explosives	8.0318
Ionization & piezoelectric gauges	2.0201	Jet initiation, vs 2DE, Forest Fire models	7.0479
Ionization in shock initiation	3.0150	Jet particulation, production	11.0280
Ionization pins for DDT experiments	9.0259	Jet penetration equation, covered, bow shock	9.1404
Ionization probes in DDT studies	9.0320	Jet penetration of HMX and TATB, model	8.0337
IR absorption spectra, TATB	9.0153	Jet penetration velocity vs run to detonation	9.1404
IR absorption, NM, diamond-anvil cell	9.1019	Jets from single-cavity collapse	9.0869
IR emission, temperature of shocked HE	7.0993	Jets, shaped-charge, initiation phenomena	9.1416
Iron, elastic precursor & shock wave photos	4.0569	Jetting interaction of detonating grains	7.0885
Iron-Constantan thermocouples, NM temperature	2.0456	Jones & Eyring theories contradicted	2.0451
Irregular reflection	10.0080	Jones & Krier porous-bed drag	9.0363
Irregular reflection of detonation waves	10.0011	Jones' detonation theory	1.0026
Isentrope pressure effect on cylinder test	4.0007	Jones' EOS for detonation gases	1.0076
Isentrope, anomalous, RUBY program	4.0168	Jones nozzle theory for unconfined explosives	2.0483
Isentropes, X-0233, gamma law and BKW	8.0983	Jones-Krier flow-resistance law	9.0329
Isentropic compression, perpendicular drive	6.0608	Jones-Wilkins-Lee EOS	9.0293
Isentropic expansions	6.0717	Jump conditions, boundary of piston, reactive	4.0503
Isentropic unsteady 3DE flow, surface, model	4.0078	Jump conditions, flow velocity in shock	1.0054
Isobar cross sections, triple wave	7.0672	Jump distance, gamma, mean free path	4.0194
Isobars, isotherms, isows, NM calculations	5.0179	JWL calculation, HE parameters	8.0947

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
JWL coefficients, reactive modeling	9.1217	K-W (Kistiakowsky-Wilson) EOS, CJ, pentolite	4.0027
JWL EOS	9.0670	K-W EOS, applicability to product gases	4.0173
JWL EOS forms	9.0701	KWB EOS for 50/50 TNT/AN	2.0520
JWL EOS of PBH-9D	9.0142	Laboratory-scale explosiveness test, LABSET	8.1035
JWL EOS parameter determination, Gurney equat.	9.0498	LABSET setup, explosiveness test	8.1037
JWL EOS, coefficients, interferometer test	8.0596	Lagrange 1D model, gas flow, compaction, ...	8.0914
JWL EOS, cylinder test data & ELA code	7.0678	Lagrange analysis technique, Chinese	8.0083
JWL EOS, detonation performance in HMX	8.0914	Lagrange analysis, shocked TATB	7.0386
JWL EOS, LX-17	9.0133	Lagrange finite-difference method, flow	4.0317
JWL EOS, parameters	8.0909	Lagrange gauge, EA-based explosive	8.0111
JWL EOS, pinned wedge tests	9.0025	Lagrange gauge, <i>in situ</i> casting, flow model	7.1072
JWL EOS, porous HNS	9.0209	Lagrange gauge, studies, flow fields	7.0498
JWL EOS, reaction rate parameters	7.0488	Lagrange particles, phase trajectories	8.0201
JWL EOS, vs data, 1D calibration, Comp B-3	5.0008	Lagrange sound velocity	7.0791
JWL isentrope, P-V, three terms	8.0598	Lagrangian 1D finite difference code, WONDY	7.0394
JWLB parameters for several explosives	10.0396	Lagrangian 2D model, cylinder, LVD impact	5.0313
Kamlet's method, explosive performance	7.0952	Lagrangian 2D unsteady model of impact	6.0336
Kantrowitz relation, shock path equation	2.0301	Lagrangian analysis of EMV experiments	9.0816
KDNBF, Mie-Grüneisen EOS, electron beam heat	5.0352	Lagrangian analysis of pressure measurements	9.1217
Kerr-cell camera development	1.0031	Lagrangian analysis, MIV gauge, PBX 9502	9.0683
Kerr-cell photos, NM transverse-wave effects	6.0415	Lagrangian analysis, reaction rates of PBH-9D	9.0142
KHT EOS, equilibrium calculation at CJ state	8.0997	Lagrangian coordinates, porous HE model	7.0442
KHT EOS, QUATUOR model	8.0764	Lagrangian coordinates, slurry HE model	7.0344
Kihara-Hikita EOS, revised (KHT)	8.0548	Lagrangian gauge studies	9.0252
Kim's model of gas generation	9.0329	Lagrangian gauge study of initiation	9.0089
Kinetic information, curvature	11.0459	Lagrangian gauges, 2D	9.0816
Kinetic lattice model, heterogeneous HE	6.0344	Lagrangian mesh 2D calculation, instabilities	4.0316
Kinetic parameters, N-nitro, C-nitro compounds	6.0318	Lagrangian wave propagation models, NM	7.0609
Kinetics in shock and detonation waves	11.0030	Lamellar composite materials (Al-Cu), shocked	6.0151
Kinetics of detonation	11.0030	Lamè's constants, elastic strain rate	4.0296
Kinetics of detonation with solid reactant	1.0107	Laminar reactive flow, confined HE	7.0958
Kinetics of detonation, powder explosives	11.0293	Laminar-convective burn, porous, crystalline	7.0164
Kinetics, decomposition	11.0490	Large-caliber charges, TNT, NQ, AN, Al	8.0577
Kirkwood propagation theory, CJ conditions	1.0107	Large-scale blast-pad test, NG/ β -lactose	9.0972
Kirkwood theory, shock wave parameters	1.0008	Large-scale gap test, benzofuroxans	9.0566
Kirkwood-Wood discussion, von Neumann's model	2.0312	Large-scale gap test, correlating other tests	7.0888
Kistiakowsky's theory of initiation	1.0057	Large-scale gap test, LSGT, critical diameter, TNT	5.0207
Kistiakowsky-Wilson (KW) EOS, performance	3.0725	Large-scale gap test, model, test setup	7.0480
Kistiakowsky-Wilson EOS for Comp B, cyclotol	3.0721	Large-scale gap test, NSWG, pentolite/PMMA	6.0768
Kistiakowsky-Wilson EOS, model of solid HE	2.0383	Large-scale gap test, numerical model	5.0477
Kistiakowsky-Wilson equation for parameters	1.0030	Large-scale gap test, TATB & HMX mixtures	7.0569
KIVA hydrodynamic & chemistry code	9.0956	Laser beam flux calculation	7.0797
Knoop testing, plastic anisotropy, crystal	7.0977	Laser beam shock in solid deuterium	5.0361
Koenen test	11.0136	Laser ignition	11.0266
Koenen test, sensitivity & risk evaluation	6.0274	Laser ignition of explosives	11.0406
KP/Al, deflagration velocity, electric probe	4.0616	Laser ignition of HEs, preignition reaction	9.0162
Krakatoa model, delayed detonation	8.0135	Laser ignition of HEs, Raman spectroscopy	9.1151
Krakatoa shock initiation model, 1D & 2D	8.0892	Laser ignition test, sensitivity calibration	8.0473
Krier/van Tassell gun combustion code, DDT	6.0258	Laser ignition, RDX	10.0555

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Laser induced fluorescence, gas-phase products	10.0555	Lennard-Jones-Devonshire free-volume EOS	2.0389
Laser initiation of secondary HEs	9.1118	Less-sensitive HEs, capture of detonation products	9.0962
Laser initiation, insensitive high explosive	6.0612	Level set methods	11.0924
Laser initiation, lead azide crystals	7.0735	Level-set methods	11.0013
Laser initiation, prompt, secondary HEs	9.1110	LI/MS laser-ignited/mass spectrometry	9.0162
Laser interaction, damage to materials	6.0613	Liahov equation for slurry HE density	7.0346
Laser interferometry, liner deflection	8.0596	LiF effect on Comp B's acceleration of metal	6.0510
Laser Raman spectroscopy, ignition zone	9.1151	LiF, material property values	8.0065
Laser speckle, tensile strength and strain	8.0635	LiF-HE interface detonation products	8.0133
Laser-initiated decomposition, spectrography	8.0710	Light emission, compressed gas around charge	3.0203
Laser-probe mass spectrography	9.0172	Light emission, initiation of liquid HE	5.0153
Laser-speckle & Brazilian test	9.0886	Light initiation of crystalline azides	2.0547
Lateral expansion, Prandtl-Meyer flow	6.0602	Light intensity at charge-Perspex interface	4.0431
Lateral rarefactions, oblique impact effects	5.0578	Light patterns in powder & plastic HE, photos	6.0422
Lateral shock pressure in cylindrical charge	4.0092	Light pipe, detectors of hot-wire initiation	5.0340
Lattice deformation, HE crystals	9.0058	Light-gas gun experimental setup	6.0016
Lattice density of states in HE	9.0235	Light-gas gun, multiple shocks to TNT	7.0907
Lattice dissociation, 2D systems	7.0781	Light-gas gun, supracompression, TATB EOS	8.0587
Lattice potential, effects of on initiation	11.0751	Light-scattering processes, schematic	7.1011
Lattice structure, CJ products, high density	2.0405	Lindemann theory	9.0235
Laue back-reflection photo, RDX crystal	7.0978	Line initiator, ripple-free	10.0175
Launch environment, sensitivity of HEs to ignition	9.1460	Linear burn rate, theory & calculation	3.0655
LAX method, discontinuities in 1D hydrocodes	3.0615	Linear shaped charges, design & development	9.1385
LAX method, unsteady 1D flow	3.0534	Liner deflection, symmetric, interferometer	8.0596
Layzer's solution, acceleration, 2 fluids	4.0305	Liner velocity vs polar angle, pins in spheres	6.0524
Lead azide, β , laser initiation	7.0735	Liner velocity, interferometer data	8.0597
Lead azide, CJ deflagration model, DDT study	6.0244	Liquid explosives	11.1017
Lead azide, crystal size effects, size effect	2.0561	Liquid HE, 36 new, characterization study	6.0466
Lead azide, DDT study	1.0060	Liquid HE, cavitation effects	7.0373
Lead azide, decomposition reaction	2.0529	Liquid HE, decomposition, thermal explosion	6.0029
Lead azide, deflagration in single crystals	5.0301	Liquid HE, detonation, hot spot model	8.0678
Lead azide, electric field initiation	6.0390	Liquid HE, initiation & growth of detonation	3.0436
Lead azide, environmental shock test	3.0024	Liquid HE, NM failure process	2.0462
Lead azide, fast burning, impact machine	3.0010	Liquid HE, sensitiveness, $m \times Q$	2.0699
Lead azide, high-vacuum detonation	5.0561	Liquid HE, sensitiveness, Q, m	2.0648
Lead azide, hot-wire initiation	5.0339	Liquid Hugoniot, universal	9.0039
Lead azide, Hugoniot & shock initiation, gun	6.0389	Liquid NO, initiation & detonation	9.1335
Lead azide, linear memory effect	3.0047	Lithium niobate pressure transducers, aquarium	7.1016
Lead azide, precipitated with polyvinyl alcohol	2.0711	Logosphere explosive device, setup	8.0152
Lead oxide effect in RDX/TNT	5.0465	Long pressure pulses, 102-mm gun tests	8.0011
Lead spread orientation effect in tests	7.1065	Lorentz-type electromagnetic gauges	9.0766
Lead styphnate, burn rate, sensitiveness, Q	2.0651	Low amplitude insult, analysis	11.0111
Lead styphnate, DDT study	1.0060	Low amplitude insult, experimental	11.0101
Lead styphnate, hot-wire initiation	5.0339	Low detonation velocity, HMX/AP/Al	7.0620
Lead styphnate, laser initiation study	8.0710	Low velocity detonation	11.0693
Lead-foil electrostatic testing technique	9.1076	Low-amplitude impact	11.0093
Least-squares method, rate stick tests	2.0131	Low-amplitude shock initiation (LASI) test	7.0285
Lennard-Jones parameters, calculated velocity	2.0237	Low-amplitude shocks, hot spots	7.0973
Lennard-Jones-Devonshire EOS, gas & liquid	1.0108	Low-carbon explosives	10.0358

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Low-density explosives, D, P, CJ conditions	5.0047	LVD, witness plates	6.0473
Low-density HE systems (<0.25 g/cm ³)	6.0183	LX-04, -07 cylinder test results	4.0005
Low-energy laser initiation, lead azide	7.0735	LX-04, curvature radius effects	4.0088
Low-impact tests, hot spots generated	7.0971	LX-04, low-velocity impact sensitivity, pinch	4.0478
Low-order behavior, diameter effect	9.0197	LX-04, measured detonation pressure, aquarium	5.0065
Low-order decomposition (sympathetic deton.)	3.0520	LX-04, thermal decomposition of confined HE	6.0214
Low-order detonation, cavitation, NG/EGDN	3.0451	LX-04, underwater shock-to-burn tests	4.0489
Low-order detonation, early historical work	3.0786	LX-06, measured detonation pressure, aquarium	5.0065
Low-order detonation, rapid burn, steady state	3.0607	LX-07, cylinder test results, 2-in. diameter	5.0140
Low-order detonation, TNT, particle sizes	2.0479	LX-07, EOS above CJ pressure	8.0587
Low-order initiation, retonation, Comp B	3.0833	LX-07, measured detonation pressure, aquarium	5.0065
Low-order initiation, velocity vs mass	6.0328	LX-10 booster for LX-17	9.0133
Low-order reactions in shocked explosives	4.0462	LX-10, cylinder test results, 2-in. diam.	5.0140
Low-pressure effect in DDT	7.0143	LX-10, measured detonation pressure, aquarium	5.0065
Low-pressure HEs, PETN/polyurethane foam	9.1364	LX-10, thermal decomposition of confined HE	6.0214
Low-pressure Hugoniot of solid explosives	4.0239	LX-14, CJ adiabats, Hugoniot	8.0504
Low-pressure impact response, PBX 9501	11.0317	LX-14, dynamic high-resolution tests	8.0613
Low-pressure impacts, predictive model	10.0786	LX-14, EOS	9.0425
Low-pressure points on isentropes of HE	3.0386	LX-14, ignition threshold	9.1460
Low-velocity impact, compressive combustion	9.0259	LX-14, postdetonation behavior theory	8.0501
Low-velocity impact, granular materials	9.0293	LX-17, 2D ignition model, corner turning	7.0488
Low-velocity, 1D impact on shocked solid HE	4.0239	LX-17, calculated & test particle velocities	7.1034
Low-velocity, impact initiation, anvil test	4.0473	LX-17, EOS above CJ pressure	8.0587
Low-velocity, impact, Susan test	4.0477	LX-17, Fabry-Perot velocimetry	9.0133
Low-velocity, nondetonative explosion	7.0248	LX-17, shock initiation vs temperature	9.0112
LSC, linear shaped charges, collapse & jetting	9.1385	LX-17, supracompressed, reaction-zone structure	9.0670
LSCAP code, linear-shaped-charge analysis	9.1385	LX-17, TATB compositions, initiation studies	8.1045
Lucite, shock velocity vs shock pressure	3.0372	M2, detonation characteristics	9.0537
Luminosity, detonation flames	2.0571	M29 & M47 detonators, PVA lead azide	2.0712
Luminosity, radiation energy, for detonation	1.0015	M30, A1 burn rate	7.0899
Luminosity-time curves, detonation temperature	2.0158	M30, chemical reaction, fracture result	8.0243
Lundstrom compared to Forest Fire	10.1003	M5, detonation characteristics	9.0537
LVD, cavitation	7.0373	MA, liquid HE, characterization	6.0467
LVD, condensed HE	6.0344	Macek's model, modified, for DDT in cast HE	6.0236
LVD, critical conditions	11.0085	Mach bridge, critical angle, shock waves	6.0489
LVD, DDT study	6.0250	Mach bridge, interacting twin spheres in water	5.0585
LVD, gas effects	2.0582	Mach bridge, Whitham's method modified	4.0142
LVD, HVD in liquid HE, card gap test	4.0412	Mach detonation disk, UFD charge design	9.0407
LVD, HVD in ureaperchlorate mixtures	6.0450	Mach detonation waves	1.0040
LVD, liquid HE, camera	4.0117	Mach detonation waves, formation conditions	4.0135
LVD, liquid nitrocompounds	11.0085	Mach formation in explosives	11.0399
LVD, methyl nitrate	5.0267	Mach interaction, critical angle	6.0498
LVD, NG-EGDN, cased	5.0081	Mach interaction, two interacting waves	4.0138
LVD, nitromethane	7.0575	Mach interaction, two plane detonation waves	4.0142
LVD, NM, windows	4.0126	Mach phenomena, continuous observation	8.0431
LVD, screening test	6.0470	Mach reflection	10.0011
LVD, wall effects	4.0117	Mach reflection, air shock after impact	8.1075
LVD, wall effects	4.0126	Mach reflection, condensed explosive	4.0154
LVD, wave stability, tests	5.0081	Mach reflection, detonation waves	7.0669

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Mach reflection, detonation waves	7.0796	Mechanical response, high rate	11.0286
Mach reflection, diagrammatic sketch	1.0080	Mechanisms for jet initiation of HE	9.1404
Mach reflection, HE-inert interfaces	9.0842	Medina, impact sensitivity and OB/100	3.0674
Mach reflection, iron	4.0153	Melamine, compaction in porous beds	7.0843
Mach reflection, oblique flow across shock	6.0571	Melt kettle design, homogeneous HE charges	2.0121
Mach stem, detonation waves	11.0399	Melt line, carbon	9.0417
Mach stem, in water, parameters, data & model	6.0582	Memory effect, thermal initiation	3.0042
Mach stem, zero & nonzero growth angles	6.0574	Mercuric-s-nitrotetrazole, initiation	9.1100
Mach-stem effects	10.0079	Mercury fulminate, burn rate, Q, m x Q	2.0651
Macrokinetics equations of decomposition	7.0362	Mercury fulminate, contact film record	3.0010
Macrokinetics of shock-wave decomposition	9.0050	Mercury fulminate, deflagration before DDT	1.0058
Magnesium, elastoplastic release at 80 kbar	4.0290	Mercury fulminate, initiation & propagation	9.1100
Magnetic & electric fields in detonation	3.0844	Mercury fulminate, laser initiation study	8.0710
Magnetic flux compression generator source	7.0746	Mercury intrusion porosimetry, TATB	8.0003
Magnetic gage measurements	11.0451	Mesh-initiated detonator, MFG as source	7.0746
Magnetic gauging experiments	9.0039	Metal (Al) foils, electrically exploded	6.0653
Magnetic probe data, particle velocities	7.0534	Metal acceleration	11.0037
Magnetic probe measure of particle velocities	6.0637	Metal acceleration by chemical explosives	4.0003
Manganin foil gauge	9.0003	Metal acceleration by composite HE	5.0137
Manganin gauge, high resistance, detonation press.	9.0471	Metal combustion in composite HEs	9.0641
Manganin gauge, multiply embedded	6.0021	Metal confinement, underwater effects	11.0466
Manganin gauge, pressure records, dimple test	8.1085	Metal hydride and metal effects on detonation parameters	11.0231
Manganin gauge, records, low-order detonation	6.0330	Metal particle size effects on explosive	11.0214
Manganin gauge, setup, low resistance	7.0386	Metal/metal oxide, detonation in	11.1007
Manganin gauge, setup, records	6.0625	Metal/polymer, detonation in	11.1007
Manganin gauges in TNT & RDX	9.0050	Metallurgical properties, shock propagation	4.0295
Manganin gauges, multiple	9.0025	Metal-semiconductor blocking contact, E level	6.0391
Manganin-constantan ring gauge	9.0816	Methyl nitrate & mixtures, detonability	5.0267
Manganin-constantan ring probe	9.0077	Methyl nitrate, burn rate, sensitiveness, Q	2.0651
Mansoori-Canfield-Ross procedure, polyatomic	7.0648	Methyl nitrate, diluent effect on NM	7.0583
Mapping failure waves in liquid HE detonation	5.0115	Methyl nitrite, shock initiation, gap test	5.0237
Mass displacement moment, PBX 9502	9.0683	Methyl-5-nitrazole (1-MNT) & (2-MNT), DDT	6.0231
Mass fraction contours, from 2DE model	8.0314	Methylnitramine, molecular geometry, ab initio	8.0828
Mass fraction contours, PBX 9502, corner	8.0059	MF, liquid HE, characterization	6.0467
Mass fraction profiles, X-0219 in air, 2D	6.0411	MFDNB, liquid HE, characterization	6.0467
Mass motion in detonation products (ASM)	5.0447	MFF, liquid HE, characterization	6.0467
Mass points in HE, marked, x rays, analysis	5.0003	Michelson-Rayleigh line, P-V plane	7.0791
Mass rate of combustion, sensitiveness	2.0643	Microballoon concentration, NM-PMMA deton.	9.0925
Mass spectrometer study of detonation products	9.0953	Microballoons, effect on nitromethane	10.0758
Mass spectrometer, detonation products	8.0701	Microballoons, emulsion HE, performance	8.0993
Mass spectrometry, fast-transient kinetics	9.1140	Microballoons, emulsion HE, performance	10.0741
Mass spectroscopy of HE, preignition reaction	9.0162	Microballoons, model for collapse	10.0749
Matrix properties, shock sensitivity	5.0182	Microballoons, NG, initiation effects	3.0460
McSkimin phase comparison technique, transit	6.0398	Microcracks in cast HE, burn rate effect	7.0904
MDF, HNS, output measurements & modeling	9.1519	Microflash photography, impact on propellants	9.1052
MDF, mild detonating fuse, HNS	9.1510	Micrographs, shear and fracture damage	8.0297
Mechanical properties of explosives	11.0076	Microhardness study, RDX, deforming hot spots	7.0976
Mechanical properties, effect on explosiveness	8.1037	Micro-indentation studies, unshocked HE crystals	9.1260

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Micromechanical modeling	11.0735	Model of shock initiation	9.1224
Micromechanics, modeling	11.0788	Model, DDT in porous beds	9.0363
Microphotography, metal combustion, compos. HE	9.0641	Model, multiprocess detonation	9.0724
Microscopic processes, simulations	9.0713	Model, thermochemical, shock-induced reaction	9.1199
Microstructural changes	11.0556	Modeling a spherically-expanding Comp B deton.	9.0751
Microstructure	11.0657	Modeling by mathematical morphology theory	9.1271
Microstructure effect on sensitivity	8.0026	Modeling detonation waves, DSD	9.0730
Microstructure, effect on sensitivity	10.0808	Modeling gap tests, sensitivity vs compression	9.1451
Microstructure, effects on shock initiation	11.0758	Modeling HNS MDF output	9.1519
Microstructure, PBXs	9.0886	Modeling of thermal ignition & combustion	9.1070
Microstructure, TATB	11.0309	Modeling, mild detonating fuse output	9.1510
Microwave interferometer, wave form, TNT	3.0147	Modeling, reacting media, choice of equations	9.0250
Microwave interferometry techniques	4.0584	Modified gap test	10.0731
Microwave interferometry techniques	8.0485	Modified gap test, mechanical shocks, 27 HEs	9.1235
Microwave technique for detonation velocities	2.0151	Modified steel DDT tube	9.0354
Microwave velocimeter, HE-filled waveguide	2.0151	Moduli, monte carlo calculation of	11.0883
MICT test	11.0137	Moiré interferometry	11.0066
Mie scattering, from shocked benzene spectra	9.0190	Moiré photography, high-resolution	10.0528
Mie-Grüneisen EOS for DDT	9.0329	Molecular beam, freely expanding HE products	9.0953
Mie-Grüneisen EOS, detonation products	5.0067	Molecular collision excitation & dissociation	9.1084
Mie-Grüneisen EOS, HE & detonation products	7.0362	Molecular dissociation, effect on deton. structure	9.0713
Mie-Grüneisen EOS, shock loading Cu & U	5.0352	Molecular dynamics	11.0897
Mie-Grüneisen EOS, theory	4.0205	Molecular dynamics (MD), diatomic crystals	8.0864
Mie-Grüneisen EOS, unburned material	5.0196	Molecular dynamics (MD), exothermic crystals	8.0870
Mie-Grüneisen equation	9.0050	Molecular dynamics methods	7.0777
Mild detonating fuse, modeling & output	9.1510	Molecular dynamics methods	7.0789
Military explosives, impact initiation	2.0612	Molecular dynamics simulation of deton. structure	9.0713
Minimum priming charge test, correlations	7.0888	Molecular dynamics simulations, N ₂ & CO ₂	8.0531
Minimum detonator test for sensitiveness	2.0602	Molecular dynamics, JCZ EOS	7.0721
Minimum priming charge test, assembly	7.0698	Molecular initiation, Buckingham potential	7.0716
Minimum priming charge test, model	7.0479	Molecular initiation, secondary explosives	7.0065
Minimum priming charge test, model	8.0954	Molecular kinetics, V & P dependence	6.0305
Minimum priming charge test, propellants	8.0285	Molecular models for HEs, NTO	9.1185
Minimum shock pressure to start reaction	6.0003	Molecular orbital calculations, ab initio, HE	8.0827
Minimum shock-loaded surface area	7.0316	Molecular orbital calculations, C-N bond scission	9.1027
Mining safety HEs, detonation & failure	9.1351	Molecular population behind shock wave	9.0172
Minol, low-order reactions--reaction zone	4.0462	Molecular processes	11.0917
Minol-2, curvature effect on shock wave	1.0099	Molecular properties, gamma sensitivity to errors	9.0513
MIV gauge experiments, PBX 9502	9.0683	Molecular reactivity, HE	9.0246
Mixer circuit, capacitors & resistors, D	2.0139	Molecular subignition, underwater shock	8.0725
Mixing thermal model, heterogeneous reactants	9.1199	Molecular/composite explosives	9.0545
Mixture EOS	9.0670	Molecule-surface collision-induced dissociation	9.1084
Mixture theory, HE EOS	9.0443	Monel bomb walls, HF-producing HE	7.0942
Model calculation of HMX porous-bed response	9.0280	Monomethylamine nitrate (MMAN) sensitivity	7.0373
Model for dislocation, HE crystals	9.0058	Monomodal cast PBX formulations, RDX	8.0903
Model for initiation of heterogeneous HEs	9.0604	Monomodal formulations, particle effect	9.0018
Model for spherical projectile impact on HE	9.1427	Monomolecular decomposition	6.0306
Model of 3D, spinning detonation wave front	4.0074	Monopropellant, card gap sensitivity test	3.0822
Model of reaction rates in shocked HEs	9.0593	Monopropellant, reaction model	7.0517

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Monte Carlo and theoretical isotherms	8.0523	NC, nondetonability through transition	3.0636
Monte Carlo method, detonation product EOS	9.0452	NC/NG detonation characteristics, low density	5.0047
Morphological changes, effect of pressing	10.0814	Neutron Resonance Spectroscopy	11.0045
Morphology of grains, effect on HE behavior	9.1271	New, more powerful HE, predicting, VLW EOS	9.0435
Morphology, explosives	11.0391	NF ₂ calorimetry studies	7.0940
Moving dislocations, HE crystals	9.0058	NG, BKW model & performance data	3.0728
MRL & NOL SSGT	9.0098	NG, bubble-free, low sensitivity	3.0455
Multiboundary HE geometry, 2D program	9.0730	NG, burn rate, sensitiveness, Q, m x Q	2.0651
Multidimensional detonation waves, modeling	9.0730	NG, CJ properties, oxygen balance	8.0547
Multiinitiator explosive initiation	7.0671	NG, detonation flame analysis	2.0573
Multilayered shields, impedance variations	8.1143	NG, high- & low-velocity deton., aeration	2.0582
Multilayered shields, sympathetic detonation	9.1489	NG, light emission in initiation	5.0153
Multiphase detonation, fuel-air	7.0799	NG, polarization & relaxation	6.0144
Multiphase mixture model, granular materials	9.0293	NG, radiance, detonation temperature	7.0762
multiphonon up-pumping, reaction structure	10.0003	NG, sensitiveness, m x Q	2.0699
Multiple flash gap, detonation pressure	7.0409	NG, sensitiveness, Q, m	2.0648
Multiple Lagrange gauge experiments	9.0089	NG, streak camera record, 5.2-cm-diam cylinder	3.0814
Multiple Lagrange gauges, condensed HE	7.1072	NG, time delay vs reciprocal temperature	3.0068
Multiple Lagrange gauges, TNT	6.0786	NG/EGDN, gap test, camera record	3.0440
Multiple shock initiation	11.0717	NG/EGDN, low-velocity detonation	4.0117
Multiple-exposure image-intensifier camera	6.0664	NG/EGDN, LVD & HVD in liquid HE, gap test	4.0412
Multiple-gauge studies, <i>in situ</i> EMV systems	7.1062	NG/EGDN/Ta, shock sensitivity gap test data	4.0416
Multiple-shock calculations for PBX 9404	8.1063	NH ₂ deformation modes, TATB	9.0153
Multiple-shock effects on energetic materials	10.0494	NIP model, plane-wave-driving plate, spall	4.0538
Multiple-shock initiation	10.0696	Nitramine burning rates, high pressure	9.1310
Multipoint initiation	9.1360	Nitramine decomposition, EPR spectra	8.0734
Multiprobe detonation buildup tests	5.0249	Nitramine HEs, decomposition mechanisms	9.1027
Multiprocess detonation model	9.0724	Nitramine propellants, gas phases in DDT	7.0217
Multiprofile streak technique, WH symmetry	7.0751	Nitramines & nitramides, sensitivity tests	3.0673
Multistreak camera record, shaped charge	8.0464	Nitramines, electronic structure	7.0065
Multistreak technique, detonation front	8.0330	Nitramines, impact sensitivity vs OB	3.0696
Munitions accidents, analysis and tests	8.0211	Nitramino substituted cyclotriphosphazenes,	10.0358
Munitions performance, Q, Cu cylinder test	9.0478	synthesis, characterization, and sensitivity	
Munitions, propagating detonation model	7.1055	Nitrate ester (aq.), threshold v, burn rate	6.0119
Munitions, shielding, sympathetic detonation	9.1489	Nitrate HEs, decomposition mechanisms	9.1027
Munroe jet, formation & equilibrium in x ray	4.0644	Nitric esters, electronic structures	7.0065
Murnaghan EOS and exponent	7.0503	Nitric oxide, CJ properties, oxygen balance	8.0547
Murnaghan EOS, constants for C-7, Al, Cu, Au	4.0279	Nitric oxide, detonation characteristics	6.0723
Murnahan solid compressibility	9.0209	Nitric oxide, detonation properties	8.0422
N ₂ , liquid, vibrational spectroscopy	9.0180	Nitric oxide, detonation velocities	8.0538
N ₂ liquid, shocked, vibrational spectroscopy	9.0172	Nitric oxide, postdetonation properties	7.0647
Nanophase Al, use in NM	11.0989	Nitric oxide, static high-pressure study	8.0715
Nanostructure of defects	11.0443	Nitro HEs, decomposition mechanisms	9.1027
Navier-Fourier fluid	9.0246	Nitroaliphatic compounds, sensitivity vs OB	3.0696
Nb powder, polarization & relaxation signals	6.0145	Nitroaliphatic HE, heats of detonation	6.0320
NB-40, experimental vs computed Hugoniot	6.0772	Nitroaliphatic HE, impact sensitivity & OB ₁₀₀	7.0087
NC, detonation characteristics	5.0047	Nitroaliphatic HE, thermal decomposition	5.0331
NC, effect, chemical decomposition	7.0058	Nitroarenes, thermal stability	10.0608
NC, mechanical properties, drop weight	8.0642	Nitroaromatic compounds, OB ₁₀₀ , sensitivity	3.0680

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Nitroaromatics, electronic structure	7.0065	NM, free-surface velocity data	7.0537
Nitrocompounds, critical conditions	11.0085	NM, internal/external vel., camera record	3.0472
Nitrogen, equivalent equation	8.1011	NM, light emission, estimated shock temperatures	5.0153
Nitrogen, isotherms and Hugoniot	8.0534	NM, light emitted from reaction zone	4.0604
Nitrogen, phase changes, effect on detonation	9.0425	NM, liquid diluents effect on propagation	6.0133
Nitrogen, test & calculated Hugoniot	8.0551	NM, LVD & HVD in liquid HE, card gap test	4.0412
Nitroguanidine, reaction profiles	11.0296	NM, mixtures, properties	7.0584
Nitroheterocycles, ammonium salts	7.0801	NM, overdriven shock Hugoniot	9.0443
Nitromethane decomposition	11.0521	NM, polarization & relaxation signals	6.0144
Nitromethane, desensitization	10.0294	NM, predicted times, reaction zones, E, P, V	4.0395
Nitromethane, review	10.0294	NM, radiance and detonation temperature	7.0762
Nitromethane/amine calculations	10.0870	NM, reaction pathways in shock initiation	8.0855
Nitro-nitrite rearrangement	11.0917	NM, sensitivity cavitation effect	7.0374
Nitronyl nitroxyl radical, decomposition	8.0740	NM, sensitized, SDT	9.0039
Nitroparaffin-based blends, sensitivity	10.0294	NM, sensitized, time-resolved Raman spectra	10.0536
Nitrosol, density, shock & particle velocities	4.0245	NM, shock compression through inert, DDT	3.0813
Nitroxy radicals of HEs	9.0987	NM, shock interaction with discontinuities	4.0386
NM & NM/TNM gap test results, sensitivity	4.0417	NM, shock sensitivity, lattice density	9.0235
NM & NM/TNM, BKW model & perform. data	3.0728	NM, shock wave growth modes	6.0047
NM decomposition, diamond-anvil cell	9.1019	NM, shocked, vibrational spectroscopy	9.0172
NM HE foams	9.1364	NM, stable low-velocity detonation wave	7.0575
NM Hugoniot	9.0379	NM, strong detonation waves	8.0425
NM performance	9.0478	NM, temperature & diameter effects	2.0454
NM, 2DE model, failure & shock initiation	5.0177	NM, temperature behind shock, Raman scat.	7.1010
NM, ammonia complex calculations	9.1027	NM, temperature effects, gap test	5.0237
NM, aquarium tests, photos of failure waves	5.0115	NM, thermal decomposition at P=10-50 kbar	5.0331
NM, brightness temperatures	7.1000	NM, threshold velocity, burn rate	6.0119
NM, bubble energy, underwater expansion	6.0546	NM, time-resolved emission	7.0993
NM, cavitation sensitivity	7.0373	NM, unimolecular decomposition	8.0828
NM, CJ properties, oxygen balance	8.0547	NM, velocity-diameter relation, model	7.0589
NM, conductivity profiles, C precipitation	4.0500	NM, vibrational spectroscopy	9.0180
NM, cylinder test results	4.0005	NM/acetone detonations, fine structure	7.0958
NM, dark wave structure, camera records	5.0170	NM/acetone mixtures, wall traces of detonation	5.0105
NM, decomposition kinetics	6.0095	NM/acetone, triple-point trajectories	5.0126
NM, decomposition, Kamlet's method	6.0096	NM/PMMA/Al, cellular structure of detonation	6.0124
NM, detonation pressure data	7.0531	NM/SiO ₂ velocity/diameter relation, model	7.0589
NM, detonation temperature, pyrometer	8.0558	NM/TNM mixtures, detonation wave temperatures	7.0768
NM, detonation temperature, test setup	8.0569	NM-carborundum, inhomogeneous mixture, effects	3.0512
NM, detonation velocity measurements	5.0041	NM-PMMA-GMB, microballoon concentration	9.0925
NM, diameter-effect parameters	6.0647	NM-TNM mixtures, low & high-velocity waves	4.0126
NM, diluent effect on detonation	7.0583	N-NO ₂ , time-to explosion	9.0228
NM, DINA, TNT, dithekite, shock initiation	3.0469	NO, initiation & detonation	9.1335
NM, early research	3.0789	NO ₂ , molecular excitation energies	7.0100
NM, EOS constants	7.0619	NO ₂ deformation modes, TATB	9.0153
NM, experimental & calculated CJ parameters	6.0713	NO ₂ groups, role in molecular excitation	9.0172
NM, experimental detonation velocity data	5.0074	NOL & MRL SSGT	9.0098
NM, failure diameters, initial temperatures	5.0102	NOL gap test, model	8.0233
NM, failure waves, foils, transient waves	3.0791	NOL large-scale card gap test	7.0265
NM, failure, rarefaction cooling, 2D model	6.0405	NOL large-scale gap test	9.0083

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
NOL large-scale gap test, modified (LASI)	7.0285	NQ, CJ properties, oxygen balance	8.0547
NOL large-scale gap test, modified (MGT)	7.0308	NQ, direct-contact sensitivity test	4.0404
NOL shock sensitivity test, shock pressure	3.0584	NQ, electron density distribution analysis	8.0839
NOL small-scale gap test (SSGT) replacement	7.0924	NQ, eutectic composite explosives	7.0803
NOL SSGT, decreased sensitivity at lower TMD	9.0098	NQ, gas pockets in low-velocity detonation	2.0584
NONA, initiation threshold, high t_0	6.0044	NQ, performance	9.0478
NONA, shock Hugoniot & initiation threshold	5.0219	NQ, retarded detonation, tricks (chicanery)	6.0226
Nondetonative explosions, confined charges	7.0247	NQ, sympathetic detonation of AP	6.0173
Nondetonative explosions, H6 & PBXW-109	7.0308	NQ/AP composites, detonation parameters	6.0178
Nondetonative explosions, venting effect, model	7.0175	NSWC impact machine, hazard response	9.1243
Non-detonative reactions, impact initiated	11.0254	NTO, characterization	10.0276
Nondimensional profiles, nonideal detonation	8.1029	NTO, isentropic expansion	9.0489
Nonequilibrium flow, wave propagation	7.0795	NTO, molecular model	9.1185
Nonequilibrium in shock compression zone	7.0789	NTO, performance, Q	9.0478
Nonequilibrium molecular dynamic method	8.0680	NTO, properties & performance	9.1001
Nonequilibrium, diffusion-controlled reactions	9.0743	NTO, theoretical and thermochemical data	9.0489
Nonideal 1D detonation waves, model	8.1025	NTO/binder formulations	9.1001
Non-ideal behavior, AN/Al reaction	10.0267	NTO/RDX/binder formulations	9.1001
Nonideal behavior, HMX/AP/Al propellant	7.0620	Nuclear weapon simulation with TNT test	8.0418
Nonideal detonation, ANFO mixtures	3.0309	Nucleation of hot spots	9.0050
Nonideal detonation, C.E.E. 2D model	7.0695	Numerical codes, 1D & 2D, along with tests	4.0519
Nonideal detonation, emulsion, model	8.1069	Numerical codes, 2D, unsteady flow	4.0527
Nonideal detonation, kinetic lattice model	6.0344	Numerical modeling of reactive media	9.0250
Nonideal detonation, lateral expansion	4.0107	Numerical modeling, DDT	9.0259
Non-ideal detonations, aluminized explosive, model	11.0204	Numerical simulation, DDT, TS 3659 propellant	9.0329
Nonideal explosive, AN, D & P	9.0560	NWC porous-bed code	9.0363
Non-ideal explosive, failure diameter	10.0063	OB ₁₀₀ , oxidants in sensitivity relationships	3.0671
Non-ideal explosives	11.0344	Oblique detonation wave interaction at interfaces	9.0842
Nonideal explosives, diameter effect	9.0197	Oblique detonation waves interacting, iron	4.0153
Nonideal explosives, modeling with CHEETAH	11.0998	Oblique impact, large charges	5.0296
Non-ideal explosives, numerical modeling	11.0475	Oblique impact, metal plate on explosive	4.0381
Nonideal explosives, reaction rates	9.0197	Oblique shock, detonation wave perpendicular	6.0602
Non-ideality, sensitivity and detonability	11.0221	Oblique shock, initiation of pellets	3.0791
Nonlaminar flow effects in gases	4.0070	Octol, chemical decomposition model	7.0056
Nonreactive rarefaction fan solution	8.1027	Octol, cylinder test results	4.0005
Nonstationary detonation waves in gases	1.0045	Octol, density, shock & particle velocities	4.0245
Nonsteady behavior and rate, EOS model	7.0703	Octol, diameter-effect parameters	6.0647
Nonsteady detonation, review	3.0784	Octol, Hugoniot	9.0379
Nonsteady effects, liquids & single crystals	3.0791	Octol, jet temperatures, IR radiometer	6.0691
Nonsteady flow in a detonator	9.0816	Octol, low-order explosions after impact	6.0328
Nonsteady state detonation velocity, microwave	2.0151	Octol, low-pressure point on isentrope	3.0389
Nova model, gun interior ballistics code	7.0850	Octol, nondetonative explosive	7.0248
Nozzle concept, long cylindrical charges	2.0759	Octol, Plexiglas monitor, shock velocity	5.0023
Nozzle theory (H. Jones), diameter effect	3.0342	Octol, thin flyer-plate impact	9.0066
Nozzle theory, 1D model, slurry	8.0168	Octol-A, -B, thermal initiation & growth	5.0280
Nozzle theory, reaction rate of TNT/NANO ₃	2.0519	Octol-A, growth of reaction	6.0290
NQ, 3D hydrodynamic hot-spot model	8.0044	Octorane 86A, low-velocity projectile impact	9.1047
NQ, bond lengths, crystallographic data	8.0841	ODTX test	9.1070
		ODTX, numerical simulation	10.0207

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
OMA, optical multichannel analyzer	9.1019	Paramagnetic decomposition products, spectra	8.0734
One-dimensional steady detonation wave model	5.0024	Paramagnetic resonance products in HE	9.0987
One-dimensional time-to-explosion (ODTX) test	7.0056	Parameter effects, ideal detonation state	8.0774
One-fluid Van der Waal's mixture model	7.0646	Parameters for CJ, ignition & growth calculation	9.0133
Onionskin experiment	9.0730	Partially reacted HE, Hugoniot states	8.0943
O-nitroanisole, shock-induced electric signal	5.0387	Particle & gradient with moving grid	4.0527
O-NO ₂ , time-to explosion	9.0228	Particle impact on PETN & RDX crystals	9.1276
ONTA, use to prepare an IHE	9.1008	Particle shape, shock sensitivity effect	9.0083
Open-camera detonation light records, NM	5.0116	Particle size characteristics of UK TATB	9.0123
Optical fiber gauges for DDT experiments	9.0259	Particle size effects hot-spot temperature	5.0228
Optical fiber/photocell DDT tube	7.0120	Particle size effects, 1- & 2-component HE	2.0478
Optical properties of detonation waves	5.0513	Particle size effects, ANFO	3.0312
Optical region, homogeneous HE cylinders	5.0515	Particle size effects, AP/NQ	6.0175
Optical system, VISAR/emission measured	8.0017	Particle size effects, cobalt amine azides	3.0050
Optical technique, detonation front temp	7.0759	Particle size effects, critical diameter	8.0902
Optics, detonation wave generators	5.0513	Particle size effects, D and curvature	9.0018
Optics, multiframe microscope photography	2.0172	Particle size effects, DDT	7.0107
Opto-electronic plastic optical fiber	8.0465	Particle size effects, DDT	7.0119
ORA 86, properties, detonation velocity	9.1008	Particle size effects, DDT	7.0166
Orvis interferometer, TNT & RDX	9.0050	Particle size effects, detonation velocity	3.0791
Orvis velocimeter	7.1084	Particle size effects, detonation waves	8.1047
Oscillograms, inert-HE velocity, u(t)	6.0030	Particle size effects, EA eutectic	7.0549
Oscillograms, shock-induced polarization	6.0145	Particle size effects, HMX/wax	4.03990
Oscillograph vs light absorption, shock front	2.0225	Particle size effects, initiation, HMX	9.0025
Oscilloscope records, drop weight test output	6.0292	Particle size effects, negative OB explosives	8.1011
Oscilloscope traces, shaped-charge temperature	6.0696	Particle size effects, oxidizers, propellants	3.0825
OTTO, liquid HE, characterization	6.0467	Particle size effects, PETN, RDX, & tetryl	5.0259
Overdriven and Mach reflection of waves	7.0796	Particle size effects, RDX	10.0072
Overdriven Comp B Hugoniot	9.0379	Particle size effects, reaction profiles	11.0298
Overdriven detonation, PBX 9501 and 9502	11.1058	Particle size effects, run time vs pressure	3.0515
Overdriven detonations, setup for NM	8.0425	Particle size effects, sensitivity, RDX	8.0902
Overdriven explosives, shocked states	5.0533	Particle size effects, sensitivity, RDX	9.0018
Overdriven pressure decreases to CJ point	1.0056	Particle size effects, TATB initiability	8.1047
Overdriven shock Hugoniot, four HEs	9.0443	Particle size effects, tetryl, DDT study	6.0426
Oxidant balance, impact height, sensitivity	3.0671	Particle size, effect on mechanical properties	10.0876
Oxidant balance, OB explosive, particle sizes	8.1011	Particle size, effect on sensitivity	10.0876
Oxidant balance, OB ₁₀₀ , decomposition	6.0312	Particle size, effects of on initiation	11.0670
Oxidant balance, plasma, detonation velocity	3.0192	Particle velocities, camera record, measured	3.0420
Oxidant balance, solid carbon (CS EOS)	8.0809	Particle velocities, free-surface, difference	6.0637
Oxygen balance, impact sensitivity	3.0693	Particle velocities, impacted PMMA	5.0592
Oxygen ratio effect on detonation front	7.0768	Particle velocities, magnetic probe	6.0637
Oxygen-balanced, -deficient CHNO explosives	6.0548	Particle velocities, test & model	7.1034
Oxynitrotriazole, using to prepare an IHE	9.1008	Particle velocities, TNT, Lagrange gauge	6.0787
P 2100 B, ballistic classification	8.0626	Particle velocities, vs distance, model	6.0355
P ² _τ detonation criterion, derivation	8.1119	Particle velocities, vs time, acceptor HEs	5.0484
P ² _t vs pressure sensitivity curve	9.1451	Particle velocity histories in EAK	9.0089
Pallet fires, single and multiple shells	8.0214	Particle velocity histories, PBH-9D	9.0142
PANDA, an HE EOS code	9.0443	Particle velocity measurements	11.0451
Parallel probes, conductivity, SPHF glass plates	3.0156	Particle velocity profiles, LX-17	9.0112

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Particle velocity, distance diagrams, DDT	6.0239	PBX 9404, low-order explosions after impact	6.0328
Particle velocity, EM gauge, <i>in situ</i>	7.1062	PBX 9404, low-velocity impact sensitivity	4.0478
Particle velocity, gauge system, new	8.0447	PBX 9404, model application to shock initiation	9.0604
Particle velocity, histories, HNS	8.0019	PBX 9404, oblique shocks, perpendicular drive	6.0602
Particle velocity, stress calculation, gauges	5.0427	PBX 9404, overdriven shock Hugoniot	9.0443
Particle-breakup model for DDT	9.0329	PBX 9404, particle velocities, magnetic probe	6.0637
Paterson EOS, long-range molecular forces	3.0722	PBX 9404, physical parameters	7.0593
Path-line method, MIV gauge, PBX 9502	9.0683	PBX 9404, Plexiglas monitor, shock velocity	5.0023
PBH-9D, reaction rates	9.0142	PBX 9404, polytropic, JWL, constant- β EOSs	6.0566
Pb-HMX-PBX 9404, overdriven, shocked states	5.0533	PBX 9404, Pop plot, 1D & 2D models	8.0059
PBX 0280, ignition threshold	9.1460	PBX 9404, Pop plots, highest-density model	7.0237
PBX 9010, PBX 9011 cylinder test results	4.0005	PBX 9404, postdetonation behavior theory	8.0501
PBX 9011, low-velocity impact sensitivity	4.0478	PBX 9404, prediction of initiation and detonation	11.0909
PBX 9205, underwater spherical explosions	5.0599	PBX 9404, pressure effects on initiation	5.0321
PBX 9404 performance, Q, Cu cylinder test	9.0478	PBX 9404, pulse duration sensitizing effect	5.0191
PBX 9404, 1D pressure-shear loading	8.0274	PBX 9404, radius-of-curvature effects	4.0088
PBX 9404, 2D model, initiation and growth	7.0488	PBX 9404, reaction zone structure	9.0670
PBX 9404, 2DE model, wave propagation, corners	6.0406	PBX 9404, Ree's prediction vs data	8.0513
PBX 9404, 3-Term ignition and growth model	8.0951	PBX 9404, shock desensitization	8.1057
PBX 9404, aquarium test data, $d = 7.2$ cm	5.0064	PBX 9404, shock front temperature	7.1005
PBX 9404, bare & covered, shocked	7.0325	PBX 9404, shock Hugoniots & initiation threshold	5.0219
PBX 9404, calculated reaction zone	9.0693	PBX 9404, shock wave growth modes, initiation	6.0047
PBX 9404, camera record, impact to initiation	3.0426	PBX 9404, shocked quartz gauges, upstream	5.0435
PBX 9404, central detonation, air & water	6.0528	PBX 9404, shocked, IR emission measurements	7.0993
PBX 9404, chemical decomposition models	7.0056	PBX 9404, shocked, pressures, model and test	8.0931
PBX 9404, CJ adiabats, Hugoniots	8.0503	PBX 9404, short-duration shock initiation	4.0373
PBX 9404, cylinder test results	4.0005	PBX 9404, short-duration-shock response	9.0604
PBX 9404, DAGMAR vs short-shock data	8.0107	PBX 9404, short-pulse shock initiation	7.0859
PBX 9404, detonation criterion study	6.0078	PBX 9404, sustained-shock histories	8.0104
PBX 9404, detonation pressure data	7.0531	PBX 9404, sustained-shock response	9.0604
PBX 9404, detonation threshold parameters	6.0072	PBX 9404, thermal initiation and growth	5.0280
PBX 9404, detonation wave interactions	7.0669	PBX 9404, time-resolved conductivity test	9.0396
PBX 9404, diameter-effect parameters	6.0647	PBX 9404, underwater shock-to-burn tests	4.0489
PBX 9404, driver of beryllium	6.0602	PBX 9404, velocity-diameter predictive model	7.0589
PBX 9404, electron beam, initiation	7.0050	PBX 9404, wave surface curvature effects	6.0379
PBX 9404, EOS above CJ pressure	8.0587	PBX 9404, waveforms, microwave record	8.0491
PBX 9404, EOS constants	7.0407	PBX 9404/dural, free-surface velocity	7.0536
PBX 9404, EOS for hot and cold solids	8.0038	PBX 9407, exploding-foil shock sensitivity	7.0928
PBX 9404, flyer plate, critical surface area	7.0316	PBX 9407, sustained 1D shock initiation	9.1224
PBX 9404, gauge record analysis, ejecta	7.0883	PBX 9501 properties, binder effect	9.1014
PBX 9404, growth of reaction, skid test	6.0290	PBX 9501, aquarium test records	8.0981
PBX 9404, heat of detonation Q, D, P_{CJ}	3.0744	PBX 9501, critical thickness	9.0396
PBX 9404, hot-spot initiation model	7.0394	PBX 9501, detonation parameters for EED	9.0388
PBX 9404, Hugoniot curves & sound velocity	4.0235	PBX 9501, HEVR experiments	11.0101
PBX 9404, Hugoniot data for unreacted HE	5.0251	PBX 9501, mechanical properties	11.0076
PBX 9404, Hugoniot, shock around CJ point	9.0379	PBX 9501, shock initiation	11.0451
PBX 9404, I^2C photo, line detonation, EBWs	6.0666	PBX 9501, time-resolved conductivity test	9.0396
PBX 9404, impact response, model & tests	7.0273	PBX 9501, time-resolved conductivity, detonating	9.0396
PBX 9404, initiation threshold, high temp	6.0044	PBX 9502 performance, Q, Cu cylinder test	9.0478

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
PBX 9502, composition, densities	7.0567	Pentolite, density & velocities	4.0245
PBX 9502, confinement effect on failure	8.0372	Pentolite, density, D, cd, experimental P	3.0377
PBX 9502, corner-turning data	7.0630	Pentolite, detonation velocities	1.0014
PBX 9502, desensitization calculations	8.0047	Pentolite, EMF generated by conduction zone	3.0116
PBX 9502, detonation pressure data	7.0531	Pentolite, growth to detonation, interferometer	4.0584
PBX 9502, detonation reaction zone study	8.0123	Pentolite, high-density gas, electrode, x ray	3.0136
PBX 9502, detonation reaction zone study	8.0123	Pentolite, high-vacuum detonation	5.0561
PBX 9502, electron beam initiation	7.0052	Pentolite, Hugoniot, shock around CJ point	9.0379
PBX 9502, Hugoniot, shock around CJ point	9.0379	Pentolite, inert monitor, shock velocity	5.0023
PBX 9502, MIV gauge experiments	9.0683	Pentolite, initiation by air shock, delay time	3.0790
PBX 9502, prompt Initiation	10.0468	Pentolite, lateral shock pressure tests	4.0095
PBX 9502, properties, binder effect	9.1014	Pentolite, measured detonation pressure	5.0065
PBX 9502, reaction-zone structure	9.0657	Pentolite, shocked sympathetic detonation	3.0521
PBX 9502, shock initiation	11.0451	Pentolite, shocked, thermal film record	7.0974
PBX 9502, tensile properties	8.0637	Pentolite, slurry, contact film record	3.0018
PBX 9502, triple shock-wave interaction	7.0669	Pentolite, spherical explosions in water	6.0570
PBX 9502, u_{FS} , magnetic probe	7.0538	Pentolite, spherical shocks in water	3.0790
PBX 9502, WO_3 -loaded, properties	11.0051	Pentolite, underwater shock-to-burn tests	4.0489
PBX failure mechanisms	11.0066	Pentolite, underwater shock-wave performance	4.0027
PBX N9, mechanical properties	11.0076	Pentolite, vs PBX 9404 shock wave data, model	6.0528
PBX properties, effect of binder concentration	9.1014	Pentolite, wave curvature vs charge length	2.0506
PBX shock sensitivity, RDX crystal shape effect	9.0083	Pentolite, wax-gap test	1.0023
PBX, behavior during drop weight impact	8.0635	Percus Yevick (PY) EOS, QUATUOR code	8.0764
PBX, cast	9.0018	Percus Yevick, PY, EOS, dense gaseous HEs	9.0933
PBX, cast-cured, behavioral model	7.0560	Perfect gas, shock polars, deflection angle	5.0129
PBX, cast-cured, effects of inert binders	7.0560	Perfluorinated alkylamines, synthesis	7.0941
PBX, cast-cured, wedge test modeling	9.1217	Performance parameters, easier prediction	7.0952
PBXN-109, mechanical properties	11.0286	Performance tests, plate dent, burn	8.0353
PBXN-5 sensitivity crossover, pressure	6.0074	Performance, estimation by quantum chemistry	10.0157
PBX-N5, thin flyer-plate impact	9.0066	Performance, NQ, TATB, DINGU, NTO, EAR	9.0478
PBXs, fracture strength	9.0886	Performance, NTO	9.1001
PBXW-109, burning & detonation, gap test	7.0308	Performance, ZOX, zero-oxygen-balance HE	9.0995
PBXW-113, ignition threshold	9.1460	Peripheral detonation, waveguide design	1.0031
PBXW-115, initiation and detonation, model	10.0665	Permeability of deformed/fractured materials	9.0363
PBXW-115, detonation propagation	9.0806	Permeability parameters	9.0280
PBXW-115, failure thickness	9.0396	Perpendicular explosive drive, oblique shocks	6.0602
PBXW-115, time-resolved HE conductivity test	9.0396	Perspex mousetraps, shock to detonation	8.0447
PBXW-123 explosive properties	10.0063	Perspex tubes, burn velocity measurements	3.0083
PE4, sensitivity and explosiveness	8.0265	Perturbation methods in detonation physics	6.0352
Peak pressure, and particle velocities, Al & Cu	4.0284	Perturbation on inner surface of shell, 2DL	4.0316
Peak pressure, effect, critical energy	6.0012	PETN performance, Q, Cu cylinder test	9.0478
Peak pressure, positive impulse, spheres	6.0533	PETN reaction rate in diamond cell	10.0579
Peak pressure, transmitted by foams	4.0273	PETN, 2D simulation of CHNO chain	7.0784
Pentafluorothio group, effect on HE properties	9.1162	PETN, 3D hydrodynamic hot-spot model	8.0044
Pentanex, bubble energy, underwater expansion	6.0546	PETN, adiabatic elastic moduli, single crystal	6.0396
Pentolite, artificial viscosity calculation	5.0597	PETN, bubble energy, underwater expansion	6.0546
Pentolite, case effect on airblast	6.0777	PETN, burn rate, sensitiveness, Q, m x Q	2.0651
Pentolite, conducting zone, electrical effect	3.0120	PETN, calculated & test detonation velocities, P_{CJ}	2.0418
Pentolite, deflagration waves, DDT study	6.0241	PETN, calculated vs test CJ pressure & velocities	5.0503

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
PETN, chemistry, free expansion of HE products	9.0953	PETN, particle-size effect, electrostatic sensitivity	9.1076
PETN, CJ point, CJ isentrope, error %	7.0709	PETN, particle-size effects, small-scale gap	5.0259
PETN, CJ properties vs initial density	8.0553	PETN, physical properties	7.0033
PETN, CJ properties, oxygen balance	8.0547	PETN, polymers added, drop-weight impact	7.0025
PETN, contact film, framing-camera study	3.0010	PETN, Pop plots of highest density	7.0237
PETN, convective burn at higher pressures	3.0077	PETN, precursors in detonations	7.0877
PETN, critical length vs critical velocity	4.0432	PETN, pressure profiles, Pop plots	6.0022
PETN, cylinder test results	4.0005	PETN, prompt laser initiation	9.1110
PETN, DDT study, convective burn, LVD	6.0250	PETN, Raman spectra	9.1118
PETN, deflagration before DDT	1.0060	PETN, reaction profiles	11.0299
PETN, detonation flame analysis	2.0572	PETN, receptors in gap tests	7.0279
PETN, detonation heat, detonation calorimeter	4.0167	PETN, reflection spectra & ignition threshold	9.1100
PETN, detonation products, real-time analysis	8.0701	PETN, retarded detonation, tricks (chicanery)	6.0226
PETN, detonation temperature measurement	9.0947	PETN, rubber-bonded sheet explosive	4.0496
PETN, detonation temperature, pyrometer	8.0574	PETN, sensitivity coefficients for CJ properties	9.0513
PETN, detonation velocities (30- μ m size)	1.0014	PETN, shock Hugoniot	3.0570
PETN, detonation velocity vs density (D vs ρ)	9.0443	PETN, shock Hugoniots & initiation thresholds	5.0219
PETN, detonation velocity, electric probe	4.0616	PETN, shock sensitivity, lattice density	9.0235
PETN, dislocations, shear bands	9.1276	PETN, shock wave initiation model	6.0371
PETN, drop weight impact test	8.0641	PETN, shocked, pressure vs distance data	5.0225
PETN, EOS calculations and test results	5.0503	PETN, simulations in hot-spot model	7.0506
PETN, experimental & calculated CJ parameters	6.0713	PETN, single-crystal tests, properties	2.0470
PETN, experimental vs computed Hugoniots	6.0773	PETN, spectroscopic study of detonation	8.0691
PETN, exploding-foil shock sensitivity	7.0928	PETN, sprayed on copper mesh on Mylar	7.0746
PETN, explosive foam	9.1364	PETN, surrounding exploding-wire initiator	1.0012
PETN, explosive-etched Cu mesh initiator	7.0746	PETN, temperature, measured and calculated	8.0558
PETN, foamed, low density, characteristics	5.0047	PETN, thermal decomposition, p=10-50 kbar	5.0331
PETN, freeze-out temperature	4.0167	PETN, thermal initiation & growth	5.0280
PETN, heat of detonation, confined/unconfined	3.0750	PETN, thermodynamic properties, 293 K, 0 GPa	6.0704
PETN, high-density shock initiation	6.0020	PETN, time delay vs 1/T, decomposition	3.0067
PETN, high-vacuum detonation	5.0559	PETN, time to explosion	9.0228
PETN, impacted, spectral emission	9.1037	PETN, time-resolved mass spectra, decomposition	9.0162
PETN, impact-face pressure, porosity model	7.0443	PETN, time-resolved spectrometry	9.0172
PETN, in methane, low-velocity detonation	2.0585	PETN, TNT reaction zone lengths	2.0755
PETN, initiation threshold, high T_0	6.0044	PETN, underwater detonation, chemistry	9.0626
PETN, interstitial gases, sensitivity	4.0349	PETN, wedge-brass interface, 1 g/cm ³	3.0562
PETN, isothermal linear & volume compression	6.0700	PETN/benzoyl peroxide decomposition	7.0027
PETN, JCZ state, molecular parameters	7.0721	PETN/NaCl, air shocks in air gap	8.1072
PETN, laser and shock initiation	7.0797	PETN/polyurethane, detonation properties	7.0560
PETN, laser ignition test	8.0476	PETN/polyurethane, diverging detonations	7.0408
PETN, laser initiation	9.1118	PETN/TNT, polytropic γ , energies, velocity	5.0462
PETN, linear memory effect	3.0047	Petrin acrylate propellant, sensitivity	3.0830
PETN, linear surface regression to 500°C	4.0461	Phase change within shock wave	3.0358
PETN, low-velocity detonation, confined	7.0575	Phase changes, C & N	9.0425
PETN, Mie-Grüneisen EOS, pulsed electron beam	5.0351	Phase diagram, carbon	9.0417
PETN, modeling slip	10.0971	Phase diagrams, P-t, carbon	8.0528
PETN, molecular electronic structure	7.0065	Phase separation, diffusion-controlled reactions	9.0743
PETN, monocrystal decomposition vs P	9.0172	Phase shift vs seal thickness, transit time	6.0399
PETN, overdriven shock Hugoniot	9.0443		

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Phase transformation of HNAB, DSC measurement	8.1129	Pipe bombs, varying ignition methods	7.0248
Phase transitions, shocked; Bi, Fe, quartz	4.0248	Piston impact, low velocity, delayed detonation	7.0256
Phase transitions, types & boundaries	4.0249	Piston impact, porous energetic materials	8.0882
Phase velocity of propagation defined	4.0258	Piston in fluid, heat from chemical reaction	4.0502
PHERMEX machine, flow behind wave front	5.0003	Piston velocity, flow after impact, $\gamma = 3$	3.0205
PHERMEX radiographic facility, HE study	6.0409	Piston velocity, inert against HE slab	3.0534
PHERMEX, detonation & shock waves	4.0639	Piston-driven compaction experiments, simulation	9.0306
Phonon modes, acoustic & optical	9.0235	Piston-driven DDT in granular HMX	9.0265
Phonon-drag effect, thermoelectric	4.0636	Planar 1D explosive-metal model, CJ states	4.0538
Photocell monitor, light emitted by impact	6.0682	Planar geometry, detonating LX-17	9.0133
Photochemical initiation of silver azide	2.0547	Planar impact gun test, shock profile detector	5.0369
Photodissociation of expansion-cooled C_3F_7NO	9.1084	Planar shock initiation, solid HE	3.0499
Photoelastic substances, transient stresses	1.0031	Plane deton. wave, analysis, sonic point properties	9.0757
Photography, cavity collapse in emulsion HEs	9.0869	Plane detonations vs cylindrical, spherical	5.0041
Photography, fast decomposition in solid HEs	9.0857	Plane elastic precursor decay model, cracks	6.0267
Photography, high-resolution, wave effects	6.0414	Plane lateral driving tests	8.0625
Photography, high-speed, drop-weight impact	9.0886	Plane shock initiation, dilute HE	7.0448
Photolysis & thermolysis of metal azides	3.0843	Plane shock response, critical acceleration	6.0387
Photolysis of Ba & K azides	2.0530	Plane spalling of copper, 1D calculations	5.0567
Photolytic initiation	9.0987	Plane vs diverging detonation waves	8.0143
Photomicrographs of emulsion HEs	9.0585	Plane wave generator setup, x ray, PHERMEX	5.0004
Photomultiplier & oscilloscope, reaction zone	4.0602	Plane wave generators, Mach phenomena	8.0431
Photomultiplier detector, density changes	2.0192	Plane wave smear camera record, AP	4.0365
Photomultiplier detector, liquid HE	7.0759	Plane wave, heat release, flow derivatives	8.0148
Photosensitization of HE acceptors	7.0938	Plasma in propane, CO_2 , Ne, & in vacuum	3.0202
Physical synthesis, an composite HE	6.0439	Plasmas, dilute, detonation generated, factors	3.0184
PIC (particle-in-cell) method, viscosity added	4.0528	Plastic deformation, crystalline solids	8.0062
PIC method, hydrodynamics	5.0177	Plastic deformation, HE crystals	9.0058
Picramide, radicals in decomposition products	8.0742	Plastic deformation, mechanism	7.0241
Picric acid, calculated & test D	2.0418	Plastic deformation, metals	1.0037
Picric acid, curvature effects on shock wave	1.0099	Plastic flow conditions of metals	1.0033
Picric acid, impact sensitivity, OB_{100}	3.0681	Plastic flow, initiation of fast decomposition	9.0857
Picric acid, mechanical properties	8.0642	Plastic flow, role in initiation	9.0842
Picric acid, sensitiveness of pressed charges	2.0643	Plastic flow, role in initiation	10.0824
Picric acid, sensitivity and oxygen balance	3.0700	Plastic propellants, gap sensitiveness	2.0653
Picrylazoles, electronic structure	7.0066	Plastic work vs projectile velocity, diameter	6.0332
Piezoelectric polymer PVDP gauge measurements	9.1529	Plastic-bonded-explosives, binder concentration	9.1014
Piezoelectric pressure gauges, casing effect	6.0777	Plastisol, card gap sensitivity, propellants	3.0825
Piezoresistive gauges, gap tests	7.0280	Plastisol-NC propellants, D vs cd	4.0099
Pike equation, air-match point above adiabat	4.0053	Plastisol-NC propellants, failure diam	4.0103
Pin array, detonation front velocity, spheres	6.0522	Plate & cylinder motion, ELA model	4.0014
Pin method, measuring detonation velocity	2.0136	Plate acceleration in HE-metal sandwich	7.0811
Pin method, velocity determination, TOA	2.0440	Plate dent depth vs detonation velocity	2.0753
Pin signal record, conductivity, TOA signals	3.0139	Plate dent photos, BTZ & PETN on dural	6.0463
Pin switch construction, detonation velocity	2.0140	Plate dent results, area behind reaction zone	2.0749
Pin techniques, measuring particle velocity	1.0107	Plate dent test, (small-scale) setup	3.0745
Pin-contactor technique, shocked solid HE	4.0373	Plate dent test, EA eutectic & others	7.0549
Pinned wedge test, HMX	9.0025	Plate dent test, HMX/AP/Al propellant	7.0622
		Plate impact test, pressure profiles	3.0246

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Plate impact, case failure, no ignition	7.1048	Pop plot, low-density TATB	7.0386
Plate push test, disk shot from mortar	3.0780	Pop plot, PETN, high density	7.0237
Plate trajectory, negative pressure regions	4.0544	Pop plot, sensitized NM	9.0039
Plexiglas, shock compression data	4.0225	Pop plot, shock initiation behavior	8.0945
Plug in DDT, HMX	10.0716	Pop plot, shock wave & initiation data	4.0237
Plug in DDT, HMX, model	9.0265	Pop plot, XDT, three models, PBX 9404	8.0932
Plug in DDT, observed	10.0685	Pop plots, particle size effects	9.0018
PMMA, compression by low-ampl. shock wave	4.0214	Pop-plot, reduced to one parameter	10.0690
PMMA, enhanced explosive effect on impact	7.0308	Pore collapse	11.0612
PMMA, Hugoniot for Plexiglas vs AP	4.0363	Pore collapse and compression model	7.0523
PMMA, Hugoniots, PETN EOS tests	5.0507	Pore collapse by shock wave	9.0593
PMMA, particle velocity, EMV gauge studies	5.0414	Pore collapse from shock loading	8.0026
PMMA, physical properties	7.0033	Pore collapse, viscoplastic hot spot	10.0979
PMMA, physical properties, shock Hugoniot	4.0326	Pore radial motion	9.0906
PMMA, propagation speed of release waves	5.0589	Pore surface heating by viscous flow	7.0435
PMMA, shock wave compression, 3-20 kbar	4.0222	Porosity effect, low-density charges, Andreev	3.0794
PMMA, surface-velocity tests: foil technique	4.0215	Porosity effect, pressed HE, burn rate	7.0904
PMMA, u_{FS} , initiating PBX 9404, 2DL model	5.0322	Porosity effect, strong shocks, EOS (calc)	3.0396
Point explosion self-similar problem	6.0594	Porosity vs ignition energy, Hugoniot curve	4.0181
Polar (Lissajous) plot, push/pull VISAR	8.0470	Porosity, effects of on initiation	11.0670
Polar angle vs front & liner velocities	6.0521	Porosity-dependent shear modulus	7.0201
Polar initiation, Comp B on Al spheres	6.0521	Porous bed burning, DDT model	7.0234
Polar species, treatment in EOS	9.0513	Porous bed compaction, HMX strain rate	8.0654
Polarization of homogeneous HE, shock induced	6.0143	Porous bed compaction, inert materials	7.0843
Polarization signals, detonation induced	5.0429	Porous bed materials, TMD, average particle size	8.0883
Polarization signals, liquid dielectrics	5.0399	Porous bed, HMX, response, deflagration & shock	9.0280
Polarization test setup, dielectrics	5.0388	Porous beds of HE, compressive reaction	8.0881
Polarization, shock induced in solid HE	5.0429	Porous beds, DDT	9.0259
Polycarbonate (PC), binder effects, properties	7.0025	Porous beds, dynamic compression, ball propellant	9.0341
Polyester, physical effects	7.0025	Porous charge, detonating precursors	7.0877
Polyethylene, shock-induced electrical signal	5.0387	Porous charge, HMX regression rates	7.0173
Polymer effect on drop-weight results	7.0024	Porous charge, shock-induced heating	7.0523
Polymorphous transformation effect on detonation	9.0766	Porous nitramines, DDT	9.0259
Polynitroaliphatic explosives, sensitivity	3.0672	Porous solid, shock propagation	4.0258
Polynitroaliphatic explosives, sensitivity	6.0312	Porous solids, thermochemical model, shock	9.1199
Polynitroaromatic compounds, sensitivity	3.0680	Porous, nonreactive materials, response	6.0766
Polynitrostilbenes, sensitivity and OB_{100}	3.0684	Postdetonation kinetics, diffusion coefficient	9.1193
Polypropylene binder, physical properties	7.0033	Post-detonation products	11.0513
Poly-rho tests	11.0049	Postpeak ignition (PPI) traces, gap test	7.0916
Polysulfone binder, physical properties	7.0025	Potassium picrate, burn rate, sensitiveness	2.0651
Polysulfone coating, decreased sensitivity	8.0257	Potential energy calculations, Gaussian 86 code	9.1027
Polysulfone Hugoniot	9.0822	Potential energy surfaces, bond scission	8.0827
Polysulfone SIP gauge for flying-plate detonators	9.0822	Powder morphology effect, HNS	7.0938
Polytropic γ from $[P_0 D^2/P_{CJ}] - 1$	5.0056	Powder train time-delay element	1.0032
Polytropic EOS, changes, shock pulse in water	6.0561	Prandtl-Meyer expansion, "simple" wave flow	3.0578
Polytropic EOS, shock motion of a liner	3.0275	Prandtl-Meyer fan, explosive edge calculation	4.0016
Polyvinylidene, PVDF	9.1529	Prandtl-Meyer flow behind detonation wave	3.0787
Pop plot, Comp B, PBX 9404, TATB	7.0487	Prandtl-Meyer singularity, steady detonation	6.0356
Pop plot, EAKs vs Comp B, tetryl, TNT, PBXs	8.1008	Precompressing charges, quenching air shock	3.0798

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Precompression effects, flyers	7.0938	Pressure evolution, transient zone	8.0143
Precompression effects, liquid & solid HE	5.0067	Pressure gauge (shock), carbon resistor	5.0047
Precompression effects, TNT & Comp B	7.0003	Pressure gradients across wave front	2.0514
Precursor air shock, piston effect of HE	8.1069	Pressure histories, shocked metals, wave forms	4.0271
Precursor shocks in PBX 9502	10.0461	Pressure measurement by manganin wire gauge	6.0625
Precursor wave detector, streak camera, prism	4.0573	Pressure peak & time behind the shock, decay	3.0795
Precursor wave, fluid & air cavitation effect	4.0117	Pressure probe record, NOL gap test	3.0590
Precursor wave, water-control tests	5.0081	Pressure profile, detonating solid explosive	3.0241
Precursor, detonating porous HE	7.0877	Pressure profile, detonation wave vs Al plate	2.0372
Precursor, shock desensitization	7.0352	Pressure profile, detonation wave, NM	6.0138
Predetonation column length (PCL)	7.0107	Pressure profile, detonation wave, P vs x	2.0327
Predetonation column length, compaction effect	6.0433	Pressure profile, for reaction zones, solid HE	2.0345
Predetonation transient waves	7.0248	Pressure profile, reaction zone in Al plate	4.0525
Predicting detonation parameters with VLW EOS	9.0435	Pressure pulses, x-t plots	6.0106
Predicting hazard response, energetic mat., impact	9.1243	Pressure ratios at critical β , calculated	6.0578
Predicting ideal detonation velocities	9.0513	Pressure rise in confined charges	6.0211
Predicting performance parameters, simplified	7.0952	Pressure signatures, calculated, underwater	6.0556
Predicting threshold for jet initiation	9.1404	Pressure spectroscopic studies, NO	8.0716
Preheating effect on detonating lead azide	2.0569	Pressure transducer, sulfur, calibration	3.0241
Preignition reaction zone	9.0162	Pressure vs Eulerian position s, time τ	3.0551
Premature ignition of HE	9.1460	Pressure vs excess transit time, solid HE	4.0237
Premature initiation	9.1480	Pressure vs particle velocity, isentrope	3.0387
Premature simulator	9.1451	Pressure vs pulse length, initiation criteria	7.0429
Preshock effects in LX-17	10.0696	Pressure vs time, acceptor HEs	5.0485
Preshock effects, HMX, TATB, HMX/TATB comps	10.0511	Pressure vs u_p , overdriven Comp B	4.0051
Preshocked explosives, in-material gauging	10.0459	Pressure, detonation, shock, impact, aquarium	3.0357
Preshocked HMX, TATB, and HMX/TATB	10.0507	Pressure, vicinal, P_v , far from bubble	6.0120
Preshocked PBX 9404 and Comp B-3	8.1057	Pressure-distance curves: Q, LAX, analytic	3.0619
Preshocking solid HE to make it insensitive	3.0785	Pressure-particle velocity data, HBX-1	5.0528
Pressed-booster explosives, shock sensitivity	9.0098	Pressure-particle velocity fits, HMX/TNT	4.0061
Pressing HE, vacuum-molding charges	2.0123	Pressure-particle velocity of HE products	9.0379
Pressure & density in shocked solids, model	4.0555	Pressure-shear loading (1D) of PBX 9404	8.0274
Pressure at detonation front, barotol	9.1378	Pressure-specific vol, supracompressed detonation	9.0670
Pressure at impact vs temperature, PBX 9404	7.1007	Pressure-time profiles, inhomogeneities	6.0341
Pressure contours, shocked LX-17, model	7.0491	Pressure-time profiles, low-order initiation	6.0325
Pressure cycling, effect on burning rate	9.1310	Pressure-velocity slopes, phase transitions	4.0256
Pressure deflagration rate, closed vessel	6.0195	Pressure-wave reflection effect on burn	7.0186
Pressure deflection curves, flow diagrams	4.0382	Pressure-wave velocity in maple	1.0031
Pressure dependence on loading density	6.0714	Pressurized HE, measured D	5.0073
Pressure desensitization, emulsion HEs	9.0585	Prestressing shock, metal-HE interface	4.0383
Pressure effect, bonds, reaction, model	7.0093	Primacord, D	1.0014
Pressure effect, electronic structure	8.0827	Primacord, exploding-wire initiators	1.0009
Pressure effect, HE decomposition	5.0331	Primacord, lateral shock pressure tests	4.0095
Pressure effect, initiating, NM & TNT, in NG	5.0156	Primacord, P-t profiles	3.0317
Pressure effect, low-velocity detonation	2.0585	Primakof similarity solution, shocked inert	4.0510
Pressure effect, molecular decomposition	8.0835	Primary HEs, physical & thermodynamic data	9.1100
Pressure effect, octol, hot wire, hot plate	5.0283	Primers, initiating power, numerical quantity	2.0602
Pressure effects on thermolysis	11.0525	Prism test, confinement effect on failure	8.0372
Pressure entering receptor, model	4.0555		

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Probe, coaxial, optical and electrical	8.0089	Propellant burn, nonideal detonation, HMX/AP/Al	7.0620
Probe, conductivity, effects & suitability	2.0443	Propellant burn, porous-bed DDT study vs model	6.0258
Probe, shape changes, model & tests	4.0597	Propellant burn, reflection & recirculation	7.0186
Probit tests, card gap tests	7.0265	Propellant burn, sensitivity, card gap test	3.0822
Proceedings indexes, Det. Symposia, 1951-1985	9.1543	Propellant burn, shocked & desensitized, hot spots	3.0796
Products in preignition reaction zone	9.0162	Propellant burn, temperature determines rate	2.0741
Products of detonation for SF ₅ model compound	9.1162	Propellant failure diam, estimated, small-scale test	9.0701
Profile streak technique, wave profiles	8.0330	Propellant, acceleration simulator	7.0915
Profilometer study of HE fracture surfaces	9.0918	Propellant, drop impact test, modeling	10.0777
Progressive deconsolidation mode, DDT	7.0168	Propellant, violent reaction in	10.0320
Projectile attack test, sensitiveness testing	3.0660	Propellants, booster rocket, characterization	9.1060
Projectile impact test	11.0428	Propellants, composite, response to shock loading	9.0879
Projectile impact, model	7.0175	Propellants, gun, detonation characteristics	9.0537
Projectile impact, model	7.0325	Propellants, projectile impact	9.1052
Projectile impact, model	7.0343	Propellants, projectile impact	10.0094
Projectile impact, propellants	9.1052	Propellants, shock waves in	11.1038
Projectile impact, secondary explosives	10.0148	Propyl nitrate, threshold velocity, burn rate	6.0119
Projectile impact, sensitivity, ammunition	6.0682	Prospects for composite HE	9.0554
Projectile impact, small-caliber, composite HE	9.1047	Proton radiography of detonations fronts	11.0054
Projectile impact, tests	7.0316	PSF, polysulfone film gauge	9.0822
Projectile impact, tests, RDX particle size	8.0907	P-t data for compressive fronts	9.0354
Projectile velocity, barrier length	4.0433	PTFE insulator, manganin gauge, pressure	6.0626
Projectile velocity, three laser beams	7.0300	Pulsating detonation	11.0679
Projectile, spherical, impact on HEs	9.1427	Pulse duration effect, Comp B, B-3, PBX 9404	5.0191
Projectile-impact shock initiation model	8.0307	Pulsed-laser-excited Raman spectra, TATB	9.0153
Propagating deflagration, confinement effect	6.0204	P-u _p measurement methods for HE products	9.0379
Propagating detonation front in TATB	6.0762	P-v diagram for steady, 1D ozone detonation	4.0069
Propagating detonation model, munitions	7.1055	PVDF gauge charge vs stress	9.1529
Propagating detonation threshold	5.0207	PVDF gauge, detonation response measurements	9.1529
Propagating fast reaction, lead azide crystals	5.0301	Pyridine, effects on DDT, ammonium perchlorate	7.0153
Propagating shock & detonation waves	4.0079	Pyrometer, detonation product temperature	8.0567
Propagation of detonation from impact region	9.0798	Pyrometer, detonation temperature	9.0939
Propagation rate, impact machine, photographs	3.0010	Pyrometer, four-color, brightness in NM-TNM	7.0768
Propagation rate, TNT, air gap effect	8.0409	Pyrometer, four-color, NM, TNT, PETN, RDX, ...	8.0558
Propagation test vs gap test results	2.0656	Pyrometer, two-color optical fiber	8.0567
Propagation theory, Kirkwood/Brinkley	1.0107	Q method, calculation, underwater flow	4.0033
Propane isomers, failure diameter & sensitivity	5.0089	Q method, model, confined deflagration	3.0606
Propane, detonation velocity measurements	5.0044	Q, heat of detonation	9.0479
Propane-impregnated HE, detonation temps	2.0166	Q-switched laser pulse initiation	6.0612
Propellant burn, camera & x rays, shotgun	7.0302	Quartz gauge, front-back setup, PETN	6.0021
Propellant burn, D & E, properties	8.0285	Quartz gauge, records, HNAB Hugoniot	7.0419
Propellant burn, delayed detonation in granular	7.0256	Quartz gauge, Sandia, construction & testing	5.0369
Propellant burn, diam effect, reaction zone	4.0097	Quartz gauge, technique for impact tests	5.0369
Propellant burn, dual thresholds in gap test	7.0267	Quartz gauge, thick, shocked PMMA, records	4.0222
Propellant burn, explosiveness, RARDE burn tube	7.1040	Quartz gauge, upstream of shocked HE	5.0435
Propellant burn, failure diam prediction	4.0102	Quartz, elastic precursor & shock wave photos	4.0569
Propellant burn, gap sensitiveness	2.0653	Quasi-sonic discontinuity, CJ detonation	7.0635
Propellant burn, high-velocity impact response	8.0284	Quasi-static compaction of inerts	7.0843
Propellant burn, large-scale initiation study	7.0887	Quasi-static stress-strain curves: Al, steel	4.0298

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Quasi-steady reaction wave	9.0219	Rarefaction effect on Mach bridge	4.0144
QUATUOR code, detonation thermochemistry	8.0762	Rarefaction waves in explosive products, x ray	5.0014
QUATUOR thermochemical code, gaseous HEs	9.0933	Rarefaction waves restricting acceleration	3.0579
Radial flow in drop-weight-impact experiments	9.0886	Rarefaction-overtake model vs initiation data	7.0431
Radial velocities, collapsing cavities	8.0078	Rarefactions from metal-HE interface, Al	2.0379
Radiance signals, HE-loaded copper plates	6.0693	Raster chronograph, detonation velocity	2.0137
Radiances, NG, NM, DEGDN, EN, 2-NE	7.0764	Rate of energy release, heterogeneous HE	9.0197
Radiant Ignition	10.0320	Rate of expansion & τ for peak stresses	4.0492
Radiation effect on propellants	1.0032	Rate parameters, critical diameter & velocity	7.0589
Radiation measurements in reaction zone	4.0602	Rate stick geometry, detonation shock dynamics	9.0773
Radiation signal during detonation	2.0144	Rate stick, 2D, calculated	9.0730
Radiative vs hot-gas ignition	8.0481	Rate stick, analyzed by difference method	3.0334
Radiographs, detonation zone	4.0162	Rate stick, assembly, joints effects	6.0642
Radiography of impacted HEs	9.1019	Rate stick, Comp B, particle size effects	2.0480
Radiography, PHERMEX, rarefaction waves	4.0642	Rate stick, failure radii, 2D model	7.0488
Radiolysis-stimulated detonation	9.1131	Rate stick, plate dent, unconfined AN composition	7.0806
Radiometer, 2-color infrared, shaped charge	6.0691	Rate stick, production	2.0120
Radiometric experiments, RDX particle size	9.0025	Rate stick, propellant, nonideal behavior	7.0620
Radius-of-curvature effect on detonation velocity	4.0086	Rates of conductivity change	9.0407
Radius-time history, Cu cylinders, Comp B	4.0004	Rates of energy transfer & reaction	9.0235
Raman measurements, reaction zone length	8.0691	Rates of reaction, estimates, IR emission	7.0993
Raman scattering temperature, shock wave	7.1010	Rayl definition, shock impedance of acceptor	2.0633
Raman spectra of PETN	9.1118	Rayleigh line-Hugoniot, steam condensation	2.0298
Raman spectra, PETN and HMX, single pulses	8.0696	RCM, random choice method code	9.0751
Raman spectra, shock-compressed TATB	9.0153	RDX crystal shape, effect on shock sensitivity	9.0083
Raman spectra, shocked RDX, PETN crystals	8.0847	RDX crystals in HTPB PBXs	9.0083
Raman spectra, solid nitric oxide	8.0719	RDX Ignition zone, laser ignition	11.0266
Raman spectrometry, ultra fast	9.0172	RDX performance	9.0478
Raman spectroscopy, coherent anti-Stokes	9.0180	RDX, axial fuse initiation vs normal booster	4.0156
Raman spectroscopy, experimental setup	7.1013	RDX, BKW model and performance data	3.0728
Raman spectroscopy, laser, ignition zone	9.1151	RDX, burn rate, sensitiveness, Q, m x Q	2.0651
Ramp wave risetime effect on run-up distance	8.0970	RDX, calculated & test detonation velocities	2.0418
Ramp waves, PBX 9404	7.0394	RDX, chemical decomposition model	7.0056
Ramp-induced compression, propellant initiation	8.0962	RDX, chemistry in free expansion of HE products	9.0953
Random choice hydrodynamics code, RCM	9.0751	RDX, CJ point, theoretical EOS model	7.0716
Random choice method, detonation simulation	7.0799	RDX, CJ pressure vs initial density	8.0519
Random choice method, diverging detonation	9.0743	RDX, CJ properties, oxygen balance	8.0547
Rankine-Hugoniot condition, discontinuities	2.0317	RDX, contact film, fast-burning mode	3.0013
Rankine-Hugoniot condition, pressure model	6.0604	RDX, convective burn at higher pressures	3.0077
Rankine-Hugoniot condition, vector in equations	2.0426	RDX, crystal growth and morphology	7.0977
Rankine-Hugoniot curve in mixed phase	4.0252	RDX, crystals, fine & coarse, photomicrographs	8.0904
Rankine-Hugoniot equations, 1D steady state	3.0305	RDX, curvature effect on shock wave	1.0099
Rankine-Hugoniot equations, P,v, fluid	2.0219	RDX, D (km/s), density	8.0514
Rankine-Hugoniot equations, precompression	5.0068	RDX, DDT phenomena, very small diameters	7.0107
Rankine-Hugoniot equations, reflected shock	3.0215	RDX, DDT study, "retonation" wave	5.0231
Rankine-Hugoniot equations, shock compression	4.0207	RDX, decomposition in shock wave	9.0050
RARDE burning-tube test, low explosives	8.0211	RDX, density, cd, D, experimental pressure	3.0376
RARDE small-scale booster cook-off test setup	8.1107	RDX, detonation temperature measurement	9.0947
RARDE small-scale burning-tube test	8.0262	RDX, detonation velocity vs density	9.0443

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
RDX, diameter effect, reaction zone thickness	4.0097	RDX, structure and properties	7.0546
RDX, dislocations, shear bands	9.1276	RDX, temperature, measured and calculated	8.0558
RDX, dural, u_{FS}	2.0336	RDX, thermal decomposition < melting point	7.0075
RDX, electrical initiation	3.0088	RDX, thermal initiation and growth	5.0280
RDX, electron paramagnetic resonance	7.0075	RDX, time-resolved spectrometry	9.0172
RDX, EMV particle velocity meas. in detonator	9.0816	RDX, tungsten flyer, convergent flow	7.0826
RDX, energy threshold, P-t plot	6.0106	RDX, v-D curves, wave shape vs D, kinetics	2.0733
RDX, EOS parameters	9.0050	RDX, volume displaced, drop-impacted sample	3.0008
RDX, experimental vs computed Hugoniot	6.0773	RDX, wave curvature vs charge length	2.0506
RDX, exploding-foil shock sensitivity	7.0928	RDX, wedge test with smear camera results	3.0504
RDX, Grades A & B, small-scale gap test	9.0098	RDX, x-ray and infrared studies, bonds	7.0779
RDX, high-vacuum detonation	5.0559	RDX/Al, deflagration velocity, electric probe	4.0616
RDX, hot-spot temperatures, model	7.0524	RDX/Al, electric spark initiation tests	3.0706
RDX, impact sensitivity & oxygen balance	3.0699	RDX/Al/PBX, sensitivity & performance, SDDT	8.1132
RDX, impact sensitivity and OB_{100}	3.0674	RDX/AN/MAN, cyl. tests vs BKW EOS (TIGER)	6.0439
RDX, initiation threshold, high t_0	6.0044	RDX/AP propellant, input parameters	6.0350
RDX, initiation, photomultiplier records	3.0109	RDX/boron, V vs d, reaction kinetics	2.0733
RDX, intermediate radical, activation energy	7.0075	RDX/HTPB binder, diverging detonations	7.0408
RDX, JCZ state, molecular parameters	7.0721	RDX/NQ/Al, detonation products in Ar, vacuum	9.0962
RDX, kinetic parameters	7.0075	RDX/polybutadiene, CX-84 explosive	8.0361
RDX, laser ignition test	8.0476	RDX/polybutadiene, French explosive	7.0316
RDX, laser ignition, Raman spectra, ignition zone	9.1151	RDX/TNETB, desensitization with wax, OB_{100}	3.0688
RDX, laser initiation	9.1118	RDX/TNT, additives, burning and ignitability	8.0251
RDX, light emission during initiation	5.0158	RDX/TNT, Al or LiF admixtures, effects	6.0510
RDX, linear surface regression to 500°C	4.0461	RDX/TNT, crystal structure, sensitiveness	3.0666
RDX, mechanical properties, drop weight	8.0642	RDX/TNT, initiation, pressure variation	8.0143
RDX, microhardness, deformation, hot spots	7.0976	RDX/TNT, kinetic parameters	7.0075
RDX, Mie-Grüneisen EOS, EB heating	5.0352	RDX/TNT, kinetics of simulated initiation	8.0196
RDX, molecular electronic structure	7.0065	RDX/TNT, LASI gap test	7.0291
RDX, molecular geometry, bond lengths, ab initio	8.0831	RDX/TNT, light emitted from reaction zone	4.0604
RDX, paramagnetic decomposition products	8.0734	RDX/TNT, low-order reactions--reaction zone	4.0462
RDX, particle effects on sensitivity	9.0018	RDX/TNT, polysulfone-coating, ignition	8.0253
RDX, particle size effect, cast PBX	8.0902	RDX/TNT, polytropic exponent γ , energies	5.0459
RDX, particle size effect, small-scale gap	5.0259	RDX/TNT, sensitivity and explosiveness	8.0265
RDX, particle sizes, rate stick velocities	2.0131	RDX/TNT, shock wave to detonation transition	3.0574
RDX, pore collapse parameters	9.0906	RDX/TNT, simulated accident	8.0211
RDX, pressure and heat rise effects, model	7.0523	RDX/TNT/Al/wax, electron beam initiation	7.0050
RDX, products in preignition reaction zone	9.0162	RDX/TNT/AN, cyl. tests vs BKW EOS (TIGER)	6.0439
RDX, RDX/wax, DDT phases	9.0259	RDX/TNT/wax (Comp B), shaped charge	7.0352
RDX, reaction products, theoretical EOS	7.0716	RDX/wax, DDT	9.0320
RDX, retarded detonation, tricks (chicanery)	6.0226	RDX/wax, DDT, porous bed, mechanics/chemistry	8.0972
RDX, rubber-bonded sheet explosive	4.0496	RDX/wax, runup distance and gap test	7.0336
RDX, sensitivity with ammonium nitrate	7.0804	RDX/wax, steel confinement, DDT studies	7.0139
RDX, sensitivity, gas compression	7.0007	RDX/wax/C, detonating centering device	8.0332
RDX, shock Hugoniot & initiation threshold	5.0219	RDX-loaded EBW initiation	4.0452
RDX, single-crystal tests, properties	2.0470	Reactants, product & detonation parameters	8.1005
RDX, solid, in modified gap test	7.0310	Reaction behavior in condensed phase	9.0363
RDX, spectra, under shock and at rest	7.0073	Reaction buildup in shocked porous explosives	8.0926
RDX, steel-confined, DDT studies	7.0139	Reaction centers, hot spots	7.0435

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Reaction chemistry, nitric oxide	8.0715	Reaction zone, length, TATB formulations	6.0652
Reaction communication distance	6.0047	Reaction zone, length, TATB, front curvature	6.0642
Reaction degree, λ	9.0142	Reaction zone, length, TATB, HMX, wave curv.	8.0159
Reaction diagram, pressure-temperature, NM	9.1019	Reaction zone, mass spectroscopy of HE	9.0162
Reaction diffusion theory in detonation	9.1193	Reaction zone, multiphonon up-pumping	10.0003
Reaction growth or decay, low-ampl. shocks	7.0970	Reaction zone, numerical modeling	10.0019
Reaction growth process	9.1243	Reaction zone, parameters, analysis & model	7.0362
Reaction heat flow models, HMX, TATB, RDX, TNT	7.0056	Reaction zone, pressure = CJ pressure	3.0396
Reaction modeling, heterogeneous/homogeneous	10.0947	Reaction zone, preventing CJ pressure data	4.0526
Reaction of molten Al with water	9.0641	Reaction zone, profiles in detonating HE	7.1029
Reaction phases: granular, binder, gaseous	7.0396	Reaction zone, resolved	10.0003
Reaction product analysis by free expansion	10.0563	Reaction zone, separation-wave front, effect	6.0414
Reaction products, condensed HEs, EPR	9.0939	Reaction zone, structure, nonideal in gas	4.0107
Reaction products, shock properties at C-J point	9.0379	Reaction zone, thickness calculation	4.0096
Reaction rate accuracy, Lagrange analysis, gauge	7.0466	Reaction zone, thickness data, curvature test	4.0090
Reaction rate dependence on pressure	10.0579	Reaction zone, width, predicted for NM	4.0395
Reaction rate law, nitromethane modeling	7.0611	Reaction zones, detonation, measurement of	11.0836
Reaction rate model for shocked HEs	9.0593	Reactions in porous solids, model	9.1199
Reaction rate parameters, LX-17	9.0112	Reactive burn	11.0620
Reaction rate theories, D vs d, 3 extant	2.0519	Reactive cases, airblast effect from HE	8.0207
Reaction rates of PBH-9D	9.0142	Reactive Eulerian hydrodynamic code, 3DE	7.0669
Reaction rates, AP	11.0847	Reactive explosion model	8.0209
Reaction rates, electromagnetic gauges	8.0099	Reactive flow analysis & models	9.1224
Reaction rates, EMM gauge data	8.0083	Reactive flow meas., calc., ZrH ₂ -based composites	9.0525
Reaction rates, Lagrange & <i>in situ</i> gauges	7.0466	Reactive flow modeling of composite explosives	10.0628
Reaction rates, nonideal explosives	9.0197	Reactive flow, Lagrange analysis (RFLA)	7.0466
Reaction rates, nozzle, curved front, D head	2.0522	Reactive flow, mathematical analog	7.0448
Reaction thresholds, rocket propellants	9.1060	Reactive Huygens construction	9.0730
Reaction zone structure of PBX 9502	9.0657	Reactive hydrodynamic (2D) calculations	6.0405
Reaction zone structure, resolved	9.0670	Reactive model, HNS	9.0209
Reaction zone structure, supracompressed HE	9.0670	Reactive modeling, wedge test	9.1217
Reaction Zone, Bdzil Model	10.0051	Reactive multiphase mixtures	8.0501
Reaction zone, cast TNT	2.0376	Reactive shock model, compaction simulation	9.0306
Reaction zone, cell-size dependence	10.0019	Reactive shock waves, model	8.0943
Reaction zone, condensed HE, PMT & scope	4.0602	Reactivity of condensed explosives	9.0246
Reaction zone, detonation head of high-P gas	2.0749	Rearward compressive wave in DDT	9.0354
Reaction zone, effect, steady axial wave	7.0661	Recovery of shocked explosive	10.0347
Reaction zone, estimate from surface velocity	1.0092	Ree's PBX-9404 model vs data	8.0513
Reaction zone, H ₂ -O ₂ & acetylene-O ₂ mixtures	2.0193	Reflectance-change apparatus	9.0265
Reaction zone, heterogeneous explosives	7.0641	Reflected shock	11.0649
Reaction zone, heterogeneous HE, calculated	9.0693	Reflected shock experiments	10.0696
Reaction zone, HMX	10.0003	Reflected shock, pressures & angles, calculated	5.0587
Reaction zone, length	3.0327	Reflected shock, rarefaction, x-t plot	4.0540
Reaction zone, length, & CJ pressure measured	2.0343	Reflected shock, TATB study and model	8.0138
Reaction zone, length, & temperature variance	1.0053	Reflected wave velocity vs particle velocity	2.0377
Reaction zone, length, cd & curvature radius	2.0424	Reflected waves in overdriven Comp B	4.0049
Reaction zone, length, curved wavefront, D	1.0096	Reflected-shock initiation	10.0078
Reaction zone, length, effect on curvature	2.0509	Reflected-wire technique, detonation P	8.0422
		Reflection and rarefaction tests, PBX 9404	8.0591

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Reflection spectra of PETN, HMX, & HNS	9.1100	Run distance vs pressure & time, solid HE	4.0237
Reflection-change flash gap test, D, P	5.0013	Run to detonation in TATB, Pop plots	8.0380
Regression rate, deflagration at >1 kbar	6.0195	Run to detonation vs jet penetration velocity	9.1404
Regressive burning rate, pressure effect	7.0168	Runaway burning, TNT, Comp B, RDX models	7.0175
Regular reflection at HE-inert interfaces	9.0842	Run-distance, non-steady state phenomena	10.0690
Reinitiation in a dark wave, propanes	5.0097	Runup distance, HE-wax sensitivity	7.0336
Relative detonation impulses, prediction	7.0954	RX-03-BB, 2D shock model	7.0488
Relative sensitivity of HEs	9.1460	RX-04, -05, -09 cylinder test results	4.0005
Relaxed Jouguet Model	10.0037	RX-04-P-1, curvature radius effects	4.0088
Relaxed Jouguet model	11.0924	RX-08-EL, burning rate	9.1310
Release & recompression of detonation products	9.0506	RX-11-AY, measured detonation pressure	5.0065
Release stress-strain path, elastoplasticity	4.0290	RX-23, CJ properties, oxygen balances	8.0547
Release wave approximation, polytropic EOS	3.0275	RX-23-AA, -AB isentrope behavior	7.0942
Release waves in PMMA, propagation speed	5.0589	RX-23-AA, -AB, -AC CJ parameters	6.0713
REOLIT, booster study, critical diam & mass	4.0435	RX-23-AB, postdetonation properties	7.0647
Resistivity, electrical effects of detonation	3.0120	RX-25-BF, EOS & reaction-rate parameters	9.0525
Resistivity, electrical/magnetic field	3.0112	RX-25-BH, EOS & reaction-rate parameters	9.0525
Resistivity, shocked, inhomogeneous solid HE	3.0505	RX-26-AE (HMX/TATB), chemical decomposition	7.0056
Resistivity, vs temperature, HE at high temps.	3.0063	RX-26-AF (HMX/TATB), shocked	7.0325
Resolved reaction zone structure	9.0670	RX-26-AF propagation of detonation from impact	9.0798
Resolved reactive zone	9.0693	RX-26-AF, EOS above CJ pressure	8.0587
Retarded detonation, velocities > burn rates	6.0225	RX-26-AF, impact at low temperature	9.0798
Retonation phenomenon, solid explosives	8.0093	RX-26-AF, supracompr., reaction zone structure	9.0670
Retonation wave effect, positive/negative, DDT	1.0048	RX-26-AY detononic profiles	7.1032
Retonation, reflection of divergent waves	4.0426	RX-35-AP, burning rate	9.1310
Retonation, retarded detonation, schikanes	6.0225	RX-36, HMX/TATB/BTF, cylinder test data	8.1020
Retonation, shock, detonation curves	7.0355	Sabot, Al, fragment-caused vulnerability	7.0326
Reverberation time, spalled & nonspalled areas	6.0486	Safety certificate testing, sensitiveness	3.0659
REX-20, liquid HE, characterization	6.0467	Sandwich resistance wire wall probe, trace, DDT	4.0618
RGPA, sensitivity and explosiveness	8.0265	SAP, 1DL spherically symmetric burn code	5.0487
Richtmeyer-Meshkov instability	9.0869	Sapphire flyer, short-pulse initiation	7.0860
Richtmyer-von Neumann "Q" method	3.0615	Sapphire window, flyer, vacuum or gas shots	7.0931
RICKSHAW 1D unsteady compressible fluid flow	6.0477	Scanning electron micrographs, BTX	6.0462
RICKSHAW model, 1D unsteady fluid dynamics	6.0629	Scanning electron micrographs, eutectics	7.0550
RICKSHAW model, Be elastic precursor wave	5.0470	Schippel effect, stretched-sheet explosives	4.0499
RICKSHAW, 1D unsteady flow model	5.0501	Schlieren photog., cavity collapse, emulsion HE	9.0869
Riemann problem, mesh cell spacing	7.0799	Schlieren photos, initiation, acetylene-O ₂	2.0270
Rigidity effect on shock waves in Al & Cu	4.0277	Schlieren photos, precursor shock, PETN/NaCl	8.1072
Rise time, magnetic diffusion effects	7.1068	Schottky-barrier region, contact, model	6.0390
Risk evaluation, explosives' sensitivity	6.0272	Scotchlite photos, casing effect on airblast	6.0782
Risk testing, single- & double-base propellant	6.0299	Screening test, small scale, for performance	11.0828
Rods & slabs, steady-state wave shapes	9.0784	estimation	
Rotating-mirror camera, split charge & wedge	4.0242	SCW, strong compressive wave from igniter, DDT	9.0354
Rotating-mirror smear camera, u_{FS}	2.0330	SDT in EAK, Lagrange gauge study	9.0089
Rotating-mirror streak camera, schematic	8.0124	SDT process, conceptual interpretation	9.0593
Rotter procedure, impact machine technique	3.0660	SDT transition data, emulsion HE	9.0573
Rubber-bonded PETN sheet explosives	4.0496	SDT, damaged energetic materials	9.1295
RUBY code, CJ isentrope from K-W EOS	4.0031	SDT, instrumented shotgun tests	7.0301
RUBY code, other HE performance vs Comp B's	4.0003	SDT, micromechanical model of	11.0735

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
SDT, model of reaction rates	9.0593	Sensitivity, vs delay times	3.0060
SDT, NM, sensitized	9.0039	Sensitization by voids	9.0857
SDT, Pop plots for four TATB compounds	8.0380	Sensitizer droplets, role in modeling initiation	9.1351
SDT, porous HE charges in plastic tubes	7.0301	Sensitizing effect of polymers	7.0024
SDT, related to DDT	7.0139	Service lead azide vs dextrinated lead azide	2.0711
SDT, theory, homogeneous HE	9.0219	Setback simulation, activator tests	8.1080
SDT, thin-plate impacts, projectiles, wedges	8.0902	Setback simulator	9.1460
SDT, threshold, critical initiating pressure	5.0207	Setback simulator, DREV	9.1480
SDT, two-phase multicomponent, PBX 9404	8.0943	Setback-shock simulator, base gap effect	7.0914
SDT/DDT combined model	8.0962	SF ₅ (pentafluorothio) group HEs, new	9.1162
SE-1 detonator, modified, BTX study	6.0462	Shape factor in diameter for initiation	7.0273
Secondary explosives, nitrated, bond polarities	7.0071	Shaped charge jet initiation	9.1404
Secondary HEs, laser initiation	9.1118	Shaped charge penetration	9.0537
Secondary HEs, prompt laser initiation	9.1110	Shaped charges, ballistic coefficient	8.0630
Self-pressurizing bomb experiments	7.0172	Shaped charges, detonation wave front	7.0751
Self-sustaining detonation, EAK & EAKL	8.0116	Shaped charges, initiation, Comp B	7.0352
Semiconductor junctions, shock effects	5.0403	Shaped charges, initiation, test and model	8.0337
Sensitiveness, bullet test	2.0660	Shaped charges, linear, design & development	9.1385
Sensitiveness, combustion data	2.0643	Shaped charges, liner collapse, light tracer	1.0031
Sensitiveness, detonation, HE, tests	2.0601	Shaped charges, temperature measurement	6.0691
Sensitiveness, energy release rate	2.0695	Shaped charges, to disrupt and detonate	8.0318
Sensitiveness, heat of explosion Q	2.0643	Shaped-charge jets, initiation phenomena	9.1416
Sensitiveness, limit, preshocked receptors	3.0176	Sharp shock calculation, spherical shock wave	6.0528
Sensitiveness, tests, explosive properties	3.0659	Sharp shock, Lagrangian artificial viscosity	6.0529
Sensitivity analysis, EOS parameters	8.0770	Shaw-Johnson (SJ) diffusion model	9.0953
Sensitivity and performance data, gap, model	8.1131	Shear band formation, modeling of	11.0725
Sensitivity curve of HE, theoretical	9.1451	Shear band formation, shock loading, Comp B	8.1119
Sensitivity experiments, PBX, particle size effect	9.0018	Shear band nucleation, granular HE	8.0035
Sensitivity of HE, correlation to compression input	9.1451	Shear bands, hot spots in HE crystals	9.0058
Sensitivity of HEs to air compression, deformation	9.1460	Shear bands, RDX, PETN	9.1276
Sensitivity of HEs to ignition in launch environm.	9.1460	Shear bands, thermal model	7.0036
Sensitivity of liquid HE, NM, TNM, etc.	4.0412	Shear bands, TNT-double base propellant	9.0003
Sensitivity relationships, molecular, OB ₁₀₀	3.0671	Shear deformation	11.0547
Sensitivity test, burning, gap, 30-kg impact	7.0541	Shear deformation, fragment attack, confined HE	7.1048
Sensitivity test, CO ₂ laser	8.0473	Shear ignition test	9.0003
Sensitivity test, colliding-ball HE impact	3.0001	Shear impact, analysis	11.0116
Sensitivity test, direct contact with shocks	4.0404	Shear in impact initiation	8.0294
Sensitivity test, flyer impacts HE on anvil	3.0420	Shear mechanism, impact initiation	8.1150
Sensitivity test, IHE, laboratory scale	7.0965	Shear sensitivity test	9.0003
Sensitivity test, impact, Henkin, wedge, plate	7.0804	Shear velocity at thermal explosion	7.0041
Sensitivity test, impact, thermal, spark gap	8.0353	Shear velocity in di-constituent explosives	8.1120
Sensitivity test, multivariate approach	6.0272	Shear wave propagation	10.0793
Sensitivity testing of HEs, electrostatic	9.1076	Shear, chemical reaction, fracture result	8.0246
Sensitivity, bond polarity effects	7.0068	Shear, role in hot-spot generation	7.0970
Sensitivity, detonability, and non-ideality	11.0221	Shear-induced reaction	10.0793
Sensitivity, impact vs OB ₁₀₀	3.0674	Shear-induced reaction	10.0824
Sensitivity, mathematical definition	3.0040	Shear-initiated ignition	7.0144
Sensitivity, not absolute criterion	1.0109	Shear-related ignition mechanism	7.1050
Sensitivity, shock, substituted benzofuroxans	9.0561	Sheet explosive, rubber-bonded PETN, RDX, TNT	4.0496

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Sheet-explosive deflagration donors	9.1322	Shock initiation, in liquid explosives	3.0813
Shell HE fillings with defects, simulat. gun launch	9.1480	Shock Initiation, low-density HMX	10.0166
Shell, 2DE cylindrically symmetric code	5.0487	Shock initiation, low-density pressings, AP	4.0359
Shielding effects, 1D model	8.1139	Shock initiation, LX-17 vs temperature	9.0112
Shielding effects, sympathetic detonation	7.1059	Shock initiation, mechanism	6.0089
Shielding materials, high vs low impedance	8.1139	Shock initiation, model, evaluating new	7.0857
Shielding, sympathetic detonation, computation	9.1489	Shock initiation, model, hot-spot based	7.0459
Shock & deformation mitigation by shields	9.1489	Shock initiation, model, hot-spot based	7.0506
Shock amplitude, growth & decay conditions	6.0379	Shock initiation, modeling less-sensitive explosives	10.0987
Shock and detonation wave interactions	7.0669	Shock initiation, NM, hypervelocity wave	3.0304
Shock and laser initiation	7.0797	Shock initiation, NM, liquid TNT, DINA,	3.0469
Shock and shear mechanism, fragment impact	8.1150	Shock initiation, nonideal, propellant	7.0620
Shock attenuation in Lucite and water	3.0589	Shock initiation, PBX 9404, HMX/TATB	7.0325
Shock behavior of nonreacting porous solids	4.0266	Shock initiation, plot, short duration	4.0376
Shock behavior of reaction products at C-J point	9.0379	Shock initiation, reactive modeling	9.1217
Shock breakup by improved shielding	8.1139	Shock initiation, role of free radicals	9.0987
Shock compression, solid & porous HE	6.0005	Shock initiation, solid explosives	3.0499
Shock desensitization model	8.0052	Shock initiation, TATB and HMX compounds	8.0892
Shock desensitization of PBX 9404 & Comp B-3	8.1057	Shock initiation, temp. dependence, modeling	10.0139
Shock discontinuity zone, chemical action	7.0791	Shock initiation, threshold data, TATB	8.0005
Shock dynamics, Whitham's theory, divergent det.	9.0784	Shock initiation, thresholds, hi-density HE	5.0219
Shock effect on aromatics and aliphatics	7.0793	Shock initiation, two-phase model	7.0435
Shock energy fluence, short-pulse effect	6.0068	Shock insensitivity of NQ, electron density	8.0839
Shock front observation	11.0640	Shock interaction, density discontinuities	4.0394
Shock front, angle c_0/D , 7000 m/s, nonplanar	1.0053	Shock interaction, theory vs results	6.0496
Shock front, curvature, test setup, PMMA	5.0478	Shock intersections, collision effects	5.0119
Shock front, energy, reactive/nonreactive	4.0584	Shock loading, response of composite propellants	9.0879
Shock front, pressure vs material thickness	2.0328	Shock locus, sonic locus calculations	6.0352
Shock front, velocity by streak camera record	4.0440	Shock pass-heat filter test, NOL card gap	7.0266
Shock generation in deuterium, laser pulse	5.0361	Shock polar solutions	9.0842
Shock heating, mechanisms of	8.0068	Shock polars for perfect gas, $\gamma = 1.4$	5.0129
Shock Hugoniot of unreacted explosives	5.0251	Shock polars, two Mach stems, $x > 0$	6.0574
Shock ignition of single crystals, lattice densities	9.0235	Shock pressure, aquarium tests	7.1016
Shock impedance & pressure boundaries	4.0274	Shock pressure, high for chemical reaction	3.0840
Shock impedance measurements of CJ state	5.0526	Shock pressure, incidence vs reflection angle	6.0497
Shock impedance mismatch equation, pressure	3.0359	Shock pressure, water, end & lateral	4.0095
Shock initiation	11.0640	Shock profiles (radial vs axial distances)	5.0483
Shock initiation	11.0751	Shock propagation, condensed material	7.0780
Shock initiation model, propellant	10.0122	Shock propagation, low intensity shock	8.0893
Shock initiation, & detonation failure model	5.0177	Shock reaction time test setup	5.0095
Shock initiation, 2D model	7.0488	Shock relations to get pressure, shock front	2.0433
Shock initiation, and $P^2\tau$	6.0082	Shock retardation in elastic media, cracks	6.0268
Shock initiation, burn, underwater, solid HE	4.0487	Shock sensitivity	11.0657
Shock initiation, composite materials	10.0955	Shock sensitivity of explosives	11.0145
Shock initiation, correlating results	7.0887	Shock sensitivity tests, correlation	10.0114
Shock initiation, critical conditions	7.0316	Shock sensitivity, 50% thresholds, preheating	5.0223
Shock initiation, density function, TATB	7.0429	Shock sensitivity, card gap test	7.0278
Shock initiation, H-6 & PBXW-109	7.0308	Shock sensitivity, damaged energetic materials	9.1295
Shock initiation, historical work	3.0786	Shock sensitivity, EAK	9.0089

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Shock sensitivity, EDC35	9.0123	Shock wave, Perspex, pressure effects	4.0156
Shock sensitivity, emulsion HEs	9.0585	Shock wave, pressure, attenuator/HE interface	3.0500
Shock sensitivity, exploding foil	7.0924	Shock wave, propagation velocity, measured	3.0420
Shock sensitivity, fragment impact	10.0113	Shock wave, research on inert solids	4.0321
Shock sensitivity, gap tests	8.0228	Shock wave, solids, Al=Comp B, TNT	1.0088
Shock sensitivity, gap tests	9.1284	Shock wave, structure in solids, experimental	4.0566
Shock sensitivity, HMX	9.0025	Shock wave, temperature, Raman scattering	7.1011
Shock sensitivity, modified gap test	9.1235	Shock wave, underwater, twin spheres	5.0581
Shock sensitivity, numerical modeling	7.0479	Shock width & impulse vs Q & gamma	6.0563
Shock sensitivity, PETN, NM	9.0235	Shock, impact initiation	10.0824
Shock sensitivity, pressed booster explosives	9.0098	Shock-capture method	9.0293
Shock sensitivity, RDX crystal shape effect	9.0083	Shock-decomposition processes	9.0724
Shock sensitivity, reaction thresholds	8.1135	Shocked multicomp. HEs, model, reaction rate	9.0593
Shock sensitivity, substituted benzofuroxans	9.0561	Shock-focusing mechanism, hot spots	6.0371
Shock sensitivity, substituted benzofuroxans	9.0566	Shock-impedance-matching infrared window	7.0993
Shock sensitivity, TATB/HMX mixtures	7.0573	Shock-induced bond scission	7.0779
Shock sensitivity, test	7.0479	Shock-induced decomp., Forest Fire model	7.0234
Shock sensitivity, thresholds	5.0207	Shock-induced decomposition, Nitromethane	11.0521
Shock sensitivity, TNT, multiple shocks	7.0906	Shock-induced deflagration in shells	9.1322
Shock sensitivity, vs particle sizes	8.0003	Shock-induced electrical polarization in HE	5.0429
Shock strength, critical for initiation	4.0179	Shock-induced phase transitions	4.0248
Shock temperature vs particle velocity, TNT	2.0371	Shock-induced polarization, homogeneous HE	6.0143
Shock temperature vs velocity, diameter	6.0332	Shock-induced reaction, IR emission	7.0993
Shock to detonation, heterogeneous explosive	10.0724	Shock-induced reactions, thermochemical model	9.1199
Shock tube profile & setup, lead azide	3.0024	Shock-induced signals from dielectrics	5.0387
Shock velocity, inert monitors on HE	5.0023	Shock-induced sympathetic detonation, solid HE	3.0520
Shock velocity, Lucite & water, smear data	3.0593	Shock-induced thermal rise model	6.0089
Shock velocity, PMMA vs distance	4.0219	Shock-light coupling, initiation	9.0172
Shock velocity, schlieren photos	4.0555	Shock-loading area, initiation threshold	9.0066
Shock velocity, vs distance, TNT, Comp B, ...	5.0025	Shock-to-deflagration to detonation (SDDT)	8.1131
Shock velocity, vs particle velocity, PMMA	4.0231	Shock-to-detonation transition (SDT)	7.0265
Shock velocity, vs pressure, overdriven HE	5.0533	Shock-to-detonation transition, 1D model	3.0792
Shock wave energy (SWE) for HEs	9.0633	Shock-to-detonation transition, light emission	4.0607
Shock wave test, calibrated	8.0361	Shock-to-detonation transition, results	8.0307
Shock wave, & initiation data for solid HE	4.0233	Shock-wave luminosity/product luminosity	2.0576
Shock wave, compression of Plexiglas, 3-20 kbar	4.0222	Shooting vs barrier test results, velocities	4.0432
Shock wave, converging cylindrical	1.0079	Short- & long-pulse initiation threshold, HNS	6.0745
Shock wave, decay in solids & Al spallings	3.0253	Short-, long-, sustained-pulse initiation, TATB	6.0757
Shock wave, decomposition of HE	9.0050	Short-duration shock initiation of solid HE	4.0373
Shock wave, effect on porous solid	4.0258	Short-duration shock, TATB-based material	10.0509
Shock wave, evolution, chemical kinetics	6.0379	Short-duration-shock response of PBX 9404	9.0604
Shock wave, explosive decomposition	6.0029	Short-pulse shock initiation, granular HE	7.0857
Shock wave, following compression wave, photo	4.0572	Short-pulse shock initiation, solid HE, model	8.0951
Shock wave, growth modes, HE initiation	6.0047	Short-pulse shock sensitivity tests	7.0924
Shock wave, initiation model, heterogeneous HE	6.0371	Short-shock experiments, 1D, PBX 9502	9.0657
Shock wave, interaction with condensed HE	7.0778	Short-shock initiation model	8.0052
Shock wave, interactions, framing-camera record	6.0581	Short-shock initiation of TATB	7.0385
Shock wave, parameters for 4 PBX-9404 models	6.0568	Shotgun test, 2DE & Forest Fire models	7.0479
Shock wave, parameters for Mach waves in water	5.0588	Shotgun tests, rocket propellant	9.1052

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Shotgun, instrumented facility, propellants	7.0299	Small-scale plate dent test, energy release	3.0744
SiC ceramic, effect on detonation velocity	10.0841	Small-scale tests, estimate failure diam, propellant	9.0701
Silica impactor, short-pulse shock study	7.0860	Small-scale thermal test, IHE sensitivity	7.0965
Silicon, polymorphic transformation, detonation	9.0766	Smear camera record, 1D & 2D tests	4.0269
Silver azide detonation by light	2.0547	Smear camera record, cyclotol wedge, u_s	3.0502
Silver azide, hot-wire initiation	5.0339	Smear camera record, nitromethane initiation	3.0485
Similarity solution, reactive Taylor wave	8.1026	Smokeless powder (E.C. blank fire), DDT study	1.0060
Simulants, booster-rocket propellants, characteriz.	9.1060	Smoothed particle hydrodynamics	10.0199
Simulated gun launch	9.1480	Sodatol, wave shape studies, r/D	2.0503
Simulation of compaction wave, granular material	9.0306	Sodium nitrate (SN), EOS of TNT/NANO ₃ 50/50	2.0519
Single crystals of HE, theory of shock initiation	9.0235	Sodium sulfate additive in RDX/TNT	5.0465
Single crystals, AP, shock loading	9.1260	Solid HE & other solids, properties, model	4.0555
Single crystals, PETN	10.0831	Solid HE decomposition, hot-spot reaction	6.0029
Single cubical air-hole study	8.0045	Solid HE, plane shock wave initiation	3.0499
Single-crystal detonation, preparation, tests	2.0469	Solid/liquid ratios (S/L) of HE, model	7.0343
Single-crystal experiments, early work	3.0791	Solid-explosive foam (PETN)	9.1364
Single-pore deformation, model	7.0436	Solid-state model for detonations	2.0404
Single-shocked supracompression tests	8.0590	Sonic angles calculated for Comp B & NM	4.0154
Single-species equivalent, JCZ3 EOS	7.0721	Sonic or quasi-sonic discontinuity	7.0635
SIP gauge for flying-plate detonators	9.0822	Sonic point in steady axial wave	7.0664
Size factors in detonation transfer	4.0442	Sonic point properties in plane detonation wave	9.0757
Skid test (AWRE) vs LABSET response	7.0019	Soot analysis from TNT/NQ, PBX, RDX/NQ/Al	9.0962
Skid test results, TATB/HMX mixtures	7.0570	Soot recovery from detonation	9.0417
Skid test vs LABSET data, explosiveness, HMX	8.1039	Soot, chemistry of detonation	9.1170
Slabs & rods, steady-state wave shapes	9.0784	Sophy gap test data for AAB 3267	7.0892
Slapper detonator, HNS	9.0209	Sound speed c defined, thermodynamic identity	3.0543
Slapper device, air/gas effects	7.0930	Sound speed, Oxygen	11.0498
SLIC method, advected volume, transport model	7.0696	Sound velocity, (Euler's) detonation gases	1.0074
Slip, in PETN, initiation	10.0971	Sound velocity, porous bed unloading	8.0653
Slippage routine in Lagrangian flow, model	3.0234	Space vs time, shock initiation in solid HE	4.0233
Slurry blasting agents, characterization	6.0729	Space-time history, propagation detonation	5.0108
Slurry explosive, axial initiation study	4.0159	Spall calculations for Al, scaling laws	3.0253
Slurry explosive, Cook-type, booster	4.0435	Spall strengths, rocket propellants	9.1060
Slurry explosive, CS EOS	8.0805	Spall, mesh calculation & wave diagram	4.0548
Slurry explosive, diameter effect	8.0168	Spalling (scabbing), stress wave result	1.0033
Slurry explosive, elemental composition	8.0810	Spalling detection, Comp B tests & model	6.0477
Slurry explosive, impacted, hot spots model	7.0343	Spalling in nickel plate, PHERMEX radiograph	4.0646
Slurry explosive, performance, reaction model	8.0985	Spalling mechanism, calculation, for copper	5.0567
Small divergent detonation theory	8.0176	Spalling under oblique impact	5.0573
Small-caliber caseless ammunition sensit.	6.0682	Spark initiation in aluminized HE	3.0706
Small-scale dent test, setup	2.0760	Species at final state	9.0906
Small-scale gap test (SSGT), initiation mechanism	3.0794	Specific heat ratio effects on liquid HE	7.0374
Small-scale gap test, assembly	4.0401	Speckle photography of explosives deformation	11.0117
Small-scale gap test, correlating	7.0888	Speckle photography, dynamic	11.0781
Small-scale gap test, interstitial gas	4.0349	Speckle photography, high-speed	10.0527
Small-scale gap test, results, HMX/Viton	4.0090	Spectral distribution of light, initiation	5.0153
Small-scale gap test, setup, axial air gaps	2.0623	Spectral emission, impacted PETN	9.1037
Small-scale gap test, SSGT	9.0098	Spectral response and emission for flyer	7.0934
Small-scale intermediate gap test	9.0566	Spectral slope vs fractal dimension	9.0918

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Spectrograms of shocks in argon & air	1.0086	Static stability boundary, deflagration waves	6.0283
Spectrometry, time-resolved, initiation study	9.0172	Stationary deflagration in DDT	9.0259
Spectroscopy, absorption, shocked benzene	9.0190	Statistical crack mechanics	11.0717
Spectroscopy, real-time, detonating HE	8.0691	Statistical mechanical theory, CHEQ model	8.0502
Spectroscopy, time resolved	11.0813	Statistical mechanics, postdetonation	7.0646
Spectroscopy, time-resolved in vacuum	5.0560	Steady axial plane, reaction zone effect	7.0661
Spectroscopy, vibrational, shocked liq. N ₂ & NM	9.0172	Steady axial wave, detonation state loci	7.0666
Spectroscopy, vibrational, shocked liq. N ₂ & NM	9.0180	Steady condensation air shocks, water vapor	2.0296
Spectrum, optical absorption, lead azide	7.0740	Steady detonation in 2D flow, slab & cylinder	1.0052
SPH, smoothed particle hydrodynamics	10.0199	Steady plane reaction zone, ZND model	7.0532
Spherical detonation, converging, solid HE	7.0602	Steady vs overdriven waves, acetylene-O ₂ mix	2.0203
Spherical detonation, divergent waves	5.0031	Steady-state detonation wave, finite rate	2.0312
Spherical detonation, surface, liner velocity	6.0521	Steady-state detonation, time-dependent model	4.0520
Spherical detonation, wave interactions	7.0671	Steady-state plane detonation wave (SSPD)	2.0425
Spherical explosion shock waves in water	6.0570	Steady-state plane detonation wave structure	3.0791
Spherical explosion, Comp B	9.0743	Steady-state waveshapes in rods & slabs	9.0784
Spherical generator, divergent, calibration	9.1371	Steady-wave (rate stick) experiments, PBX 9502	9.0657
Spherical initiators & charges, underwater	5.0600	Steel, 4340, effect on wave propagation	4.0295
Spherical pore compaction cell model, P vs v	8.0915	Step shock solution in planar flow	4.0503
Spherical projectile impact on HEs	9.1427	Steven impact test	11.0095
Spherical shock waves in condensed HE, model	6.0528	Stilbenes, impact sensitivity and OB ₁₀₀	3.0681
Spherical shock waves in water, twin spheres	5.0581	Stochastic simulation	9.1193
Spherical vs cylindrical vs plane detonation	5.0041	Stong point explosion in a combustible medium	6.0590
Spherical wave fronts, wave shape study	2.0504	Strain field modeling	11.0004
Spherically diverging detonation waves	8.0151	Strain localization, effects of on initiation	11.0781
Spherically-diverging detonation, LX-17	9.0133	Strain measurement, dynamic	11.0781
Sphericity analysis, streak camera record	5.0032	Strain measurement, optical techniques	10.0525
Spigot gun	11.0102	Strain rate sensitivity, HMX	8.0645
Spin detonation, viscosity effect	7.0796	Strain rate vs strain curves for Comp B	3.0432
Spin frequency as function of tube diameter	1.0051	Strain rate, mechanical behavior of propellants	10.0095
Spin Hamiltonian, nitroso radicals	8.0745	Strain wave, confined, subsonic & plastic	7.0253
Spin trapping spectral data	8.0737	Strain-time plots, tetryl, DDT study	6.0428
Spin, spot spiraling along tube, combustion	1.0044	Strand burner, hybrid closed bomb	9.1310
Spinning detonation, propagating H ₂ -O ₂	2.0269	Strand burner, pressure vessel	3.0080
Spinning detonation, retonation wave	1.0048	Streak camera record, Comp B, polarization	5.0432
SPIS-44 (HMX/AP/Al) propellant, nonideal	7.0620	Streak camera record, convective burn of PETN	6.0253
Split-charge experiment, lower pressure	4.0241	Streak camera record, cylinder test	6.0512
Squib- & piston-initiated HMX model	8.0914	Streak camera record, dark waves in NM	6.0417
Squib-driven DDT experiment	9.0280	Streak camera record, DDT study	5.0235
Squib-ignited DDT tube, 80% compaction	8.0917	Streak camera record, digital filtering	7.0296
SRI-1,-2,-3,-4,-5, liquid HE characterization	6.0469	Streak camera record, flyer impact	6.0656
SSS, 1-D hydrocode for reactive media	9.0142	Streak camera record, Mach reflection	8.0433
Stability of planar, steady wave front	4.0073	Streak camera record, shock curvature	8.0190
Stability properties of new liquid HEs	6.0471	Streak camera record, sphericity analysis	5.0032
Stages in DDT process for porous charges	9.0354	Streak camera record, wave diagram	7.0680
Stagger scheme, shock & constant state points	3.0214	Streak camera results vs curve fits	5.0060
Starch-metal composites, detonability	9.0972	Streak images of Al wire combustion in water	9.0641
STARTEX (DITEU) boosters, critical diam., mass	4.0435	Streak schlieren interferogram, reflected	4.0071
Static pore collapse model	8.0964	Stream tube expansion, Jacobs vs Eyring	1.0054

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Strength measurement of PBX materials	10.0525	Sympathetic detonation, AP by NQ	6.0173
Stress histories in shocked PBX 9404	5.0438	Sympathetic detonation, model	7.0479
Stress wave interactions, x-t, Fe/free surface	6.0672	Sympathetic detonation, propellants	6.0302
Stress waves, longitudinal, lead azide	5.0302	Sympathetic detonation, shielding role	9.1489
Stresses generated by electric detonators	3.0285	Sympathetic detonation, shock induced	3.0520
Stress-strain data, dynamic record	3.0420	Sympathetic detonation, simulating	10.0928
Stress-time profiles of shock & release waves	4.0290	Synchro-streak technique, shaped charge	7.0751
Stress-wave propagation, schematic	7.1052	Synthesis of diamonds, detonating condensed HE	9.0407
Stretched HE, effect on detonation velocity	4.0500	Synthesis of polynitro SF ₅ model compound	9.1162
Stroboscopic laser-schlieren records, shocks	5.0125	T1, experimental isentrope data	8.0815
Structure, chemistry, & instability in gases	4.0067	T2 (TATB), EOS calculation	8.0751
Structures & energies, calculated, isomers of NTO	9.1185	T2, experimental isentrope data	8.0820
Subdetonation reaction, 27 HEs, data base	9.1235	Tait EOS, pressure profiles, liquid blasts	6.0502
Subdetonative response	10.0090	Tait equation, shock transmission through Al	1.0091
Subignition decomposition, chemical products	9.0897	Tandem single impact, propellants D and E	8.0286
Sugar-metal composites, detonability	9.0972	Tantalum-covered projectile, impacted	7.0325
Sulfur conductivity pressure dependence	3.0241	Target gauge assemblies, quartz gauge study	5.0376
Sulfur pressure transducer, calibration	3.0241	TATB HEs, electron-beam initiation	9.1131
Super gap test setup	8.0230	TATB performance	9.0478
Supercritical fluids, equations of state	11.0498	TATB, 1D Lagrangian experiments & simulation	9.0252
Supercritical phase separations	9.0425	TATB, 3D hydrodynamic hot-spot model	8.0044
Superdetonation in SDT	9.0039	TATB, chemical decomposition model	7.0056
Superdetonation, confinement effect	10.0841	TATB, CJ point, CJ isentrope, error %	7.0709
Supervelocity reaction wave model	3.0307	TATB, CJ properties, oxygen balance	8.0547
Supracompressed HE, reaction-zone structure	9.0670	TATB, corner-turning data	7.0624
Supracompression, TATB, EOS of products	8.0587	TATB, crash-precipitated pore-size tests	8.0003
Surface area increase, ignitability & burn	2.0629	TATB, crystallographic cell parameters	6.0705
Surface burning equation, Eyring's, calculated time	2.0526	TATB, detonation parameters, interpolation	7.1029
Surface burst, underwater, half-space model	5.0493	TATB, detonation products EOS	9.0506
Surface cavities in sample, setback simulator	9.1480	TATB, detonation properties, carbon EOS	8.0528
Surface film effects on external plasmas	3.0188	TATB, detonation reaction zone studies	8.0123
Surface heat dissipated vs impact sensitivity	4.0461	TATB, Doppler laser interferometer study	8.0135
Surface heat release, deflagration waves	6.0284	TATB, EB initiation, two exothermic reactions	7.0050
Surface rate processes & sensitivity of HE	4.0461	TATB, expansion isentropes	8.0815
Surface-burning model	9.0604	TATB, fine particle, preparation, characterization	11.0362
Surface-coating disruption, RDX grain	9.0098	TATB, flyer plate initiation	6.0756
Surface-to-volume ratio of propellant	7.0143	TATB, front curvature, reaction zone length	6.0642
Susan test, energy release vs impact velocity	6.0755	TATB, heated	11.0428
Susan test, low-velocity impact sensitivity	4.0477	TATB, hot spots' nature	9.0897
Susan test, sensitivity of IHE	7.0965	TATB, hydrogen bonding	9.0153
Susan test, TATB/HMX mixtures	7.0570	TATB, initiation & detonation characteristics	6.0755
Sustained 1D shock initiation, PBX 9407	9.1224	TATB, initiation studies of LX-17 & PBX 9502	8.1045
Sustained ignition, mechanical shock, 4-86 kbar	9.1235	TATB, isothermal linear & volume compression	6.0700
Sustained-shock experiments, PBX 9502	9.0657	TATB, jet penetration model	8.0337
Sustained-shock response of PBX 9404	9.0604	TATB, low density, shock initiation	7.0385
S-W EOS for underwater shock waves	6.0570	TATB, LX-17 shock initiation vs temperature	9.0112
SWE, shock wave energy for HEs	9.0633	TATB, particle size distribution effects	8.0003
SYEP, liquid HE, characterization	6.0469	TATB, planar shock initiation, gauges, wedges	7.0385
Sympathetic detonation, 2DE model	7.1055	TATB, porous, shock initiation	7.0385

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
TATB, propagation of detonation from impact	9.0798	Temperature effect, gap test	7.0336
TATB, Raman spectra of shock-compressed	9.0153	Temperature effect, LX-17 shock initiation	9.0112
TATB, reaction zone, steady axial wave	7.0661	Temperature effect, precompression study	5.0077
TATB, scanning electron photomicrographs	7.0427	Temperature effect, propellant detonation	9.0537
TATB, SDT, run to detonation	8.0380	Temperature effect, propellants	3.0828
TATB, sensitivity with ammonium nitrate	7.0804	Temperature effect, secondary explosives	5.0279
TATB, sensitivity, short & long pulses	7.0425	Temperature effect, shock ignition	7.0459
TATB, shock initiation, tests and models	8.0892	Temperature effect, shock initiation	5.0219
TATB, short-pulse sensitivity	7.0390	Temperature effects on shock sensitivity	11.0145
TATB, standard gap test, burn model	7.0482	Temperature effects, Cast PBX	11.0384
TATB, synthesis	7.0425	Temperature evaluation, SDT explosion phase	9.0219
TATB, thermal decomposition	10.0181	Temperature in reaction zone, light intensity	4.0602
TATB, thermal decomposition of confined HE	6.0214	Temperature measurement, Al-containing	10.0549
TATB, thermochemical data	9.0489	Temperature measurement, detonation front	10.0542
TATB, vs DINGU, comparison of properties	7.0540	Temperature measurement, detonation products	10.0542
TATB, vs HMX, confined drop hammer test	7.0966	Temperature measurement, detonation, HN/HH	9.0939
TATB/AP, cylinder test data, temperature	8.1020	Temperature measurement, neutron resonance spectroscopy	11.0045
TATB/HMX compositions, customized PBX	7.0567	Temperature measurement, optical system	1.0017
TATB/HMX mixtures, response	11.0007	Temperature measurement, reaction products	10.0558
TATB/Kel-F 800 95/5, initiation & detonation	9.0123	Temperature measurements, detonation wave	11.0353
TATB/Kel-F, confinement effect on failure	8.0372	Temperature profiling, FTIR	9.0228
TATB/Kel-F, double-discontinuity model, gap	7.0294	Temperature variation, initiation of liquid HE	5.0153
TATB/Kel-F, electron beam initiation	7.0052	Temperature, shock wave environments	7.1004
TATB/Kel-F, receptors in gap tests	7.0279	Temperature, shocked HE, IR radiometry	7.0993
TATB/Kel-F, sustained pulse initiation, wedge	6.0764	Temperatures, calculated on an isentrope	9.1199
TATB/T2 Hugoniot	9.0379	Temperatures, calculated, TATB, vs pressure	9.0153
TATB/Viton, transport model	7.0697	Temperature-time curves, ideal gas vs BKW	7.0348
TATB-based customized explosives	7.0566	Tension contours vs observed fracture pattern	5.0579
Taylor analysis of a tubular bomb	8.0604	Tensor model, hot spots in slurry HE	7.0344
Taylor instability, same as Landau's (Russian)	1.0105	Tetrazole, time to explosion	9.0228
Taylor model simplified and extended	8.0602	Tetrazoles, electronic structure	7.0071
Taylor wave calculated for pentolite	4.0033	Tetryl, booster replacements	8.1105
Taylor wave fits, RICSHAW, manganin gauge	6.0625	Tetryl, burn rate, sensitiveness, Q, m x Q	2.0651
Taylor wave in P-t curve	3.0249	Tetryl, calculated & test detonation velocities	2.0418
Taylor wave p-T, pyrometer, <i>in situ</i> gauge	8.0564	Tetryl, contact film, drop-weight impact test	3.0013
Taylor wave region, nonsteady 1D flow	7.0531	Tetryl, DDT studies, plastic tubes	7.0119
Taylor wave, energy transfer to rigid piston	3.0206	Tetryl, density, detonation velocity, pressure	3.0378
Taylor wave, inert binders effect	7.0564	Tetryl, detonating centering device	8.0332
TDPF, liquid HE, characterization	6.0469	Tetryl, detonation flame analysis	2.0572
Teflon 7C tests, strain rates of HMX	8.0648	Tetryl, detonation front temperature	9.0939
Teflon 7C, compaction in porous beds	7.0843	Tetryl, detonation pressure profile	9.0471
Teflon 7C, sound velocities vs % tmd	7.0204	Tetryl, detonation properties, carbon EOS	8.0528
TEGDN, gap test sensitivity in propellants	3.0830	Tetryl, detonation temperature measurement	9.0947
Temperature dependence of density for NM	2.0455	Tetryl, detonation temperature vs densities	8.0573
Temperature effect, cobalt amine azides	3.0053	Tetryl, diameter effect, D vs 1/d	4.0182
Temperature effect, composite HE	8.1018	Tetryl, direct-contact detonation sensitivity	4.0405
Temperature effect, detonation velocity of NM	2.0455	Tetryl, EMP velocity gauges	8.0447
Temperature effect, diameter effect, NM	2.0461	Tetryl, EMV gauge, pressures & times	5.0413
Temperature effect, diverging detonation wave	8.1047		

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Tetryl, experimental vs computed Hugoniot	6.0773	Thermal hazard of dynamite, modeling	7.0043
Tetryl, exploding-foil shock effect	7.0928	Thermal hazard, numerical simulation	10.0207
Tetryl, gap test calibration results	7.0288	Thermal ignition & combustion, heterogeneous HE	9.1070
Tetryl, gap test for liquid HE, NG/EGDN	3.0438	Thermal initiation & reaction, secondary HE	5.0279
Tetryl, gas pockets, low-velocity detonation	2.0584	Thermal initiation, electron beam, model	7.0050
Tetryl, heat of detonation, unconfined/confined	3.0750	Thermal initiation, memory effect	3.0042
Tetryl, high-vacuum detonation	5.0561	Thermal initiation, role of free radicals	9.0987
Tetryl, impact initiation, .30-cal. cylinders	2.0612	Thermal response of intermediate explosives	8.1105
Tetryl, impact sensitivity and OB ₁₀₀	3.0674	Thermal stability, nitrobenzenes	10.0608
Tetryl, impact sensitivity, critical temp	3.0069	Thermal test, sensitiveness testing	3.0660
Tetryl, laser ignition test	8.0476	Thermal test, sensitivity test, small scale	7.0965
Tetryl, linear memory effect	3.0047	Thermal wave, energy motion	5.0361
Tetryl, linear surface regression, 500°C	4.0461	Thermite Hugoniot, calculated	9.1199
Tetryl, mechanical properties, drop weight	8.0642	Thermochemical model, shock-induced reactions	9.1199
Tetryl, particle size effects, small-scale gap	5.0259	Thermocouple configuration, thermoelectric study	4.0628
Tetryl, pellet initiators in NOL gap test	3.0585	Thermocouple design for shock wave locus	7.1005
Tetryl, products in preignition reaction zone	9.0162	Thermocouples, measuring time to exotherm	9.0228
Tetryl, radicals in decomposition products	8.0742	Thermodynamic equilibrium in detonation waves	2.0198
Tetryl, reaction profiles	11.0299	Thermodynamic functions, detonation products	8.0799
Tetryl, retarded detonation, tricks (chicanery)	6.0226	Thermodynamic functions, gas & solid phases	2.0384
Tetryl, single-crystal tests, properties	2.0470	Thermodynamic parameters distribution	7.0789
Tetryl, small-scale gap test	9.0098	Thermodynamic path in (P,V) plane	7.0693
Tetryl, temperature, measured and calculated	8.0558	Thermodynamic properties, inverse method, EOS	2.0522
Tetryl/wax, x-t plot, strain-t plot, DDT effect	6.0434	Thermodynamic state from detonation velocity	1.0072
TFA, liquid HE, characterization	6.0469	Thermodynamics of detonation products	7.0759
TFMA, liquid HE, characterization	6.0469	Thermodynamics, influence on hydrodynamics	8.0788
TFMDA, liquid HE, characterization	6.0469	Thermoelectric effect, shock press transducer	4.0627
TFMFF, liquid HE, characterization	6.0469	Thermograms of emulsion HEs	9.0585
TFNA & TFENA, BKW model & perform. data	3.0731	Thermogravimetric modulated beam mass spec.	10.0181
Thermal aging of explosives	10.0341	Thermohydrodynamics in metalized explosives	2.0733
Thermal analysis, propellants	11.0119	Thermokinetic parameters, tetryl, RDX, HNS, ...	8.1112
Thermal and structural response, propellants	11.0119	Thermolysis of nitroalkanes	11.0525
Thermal damage characterization	11.0127	Thermomechanical coefficient vs amplitude	6.0386
Thermal decomposition of [CO(NH ₃) ₆](N ₃) ₃	3.0050	Thin films of explosives, methods	10.0340
Thermal decomposition rate constants	5.0166	Thin foils confining detonation wave	6.0406
Thermal decomposition reaction, confined HE	6.0214	Thin-layer chromatography (TLC), subignition	8.0725
Thermal decomposition tests	11.0135	Thin-metal films, confined, shocks generated	6.0614
Thermal decomposition velocities, sensitivity	3.0060	Thin-pulse initiation, LX-17, velocities	8.1051
Thermal decomposition, HMX	11.0533	Three-dimensional (3DE) hot-spot model	8.0042
Thermal decomposition, nitro compounds	10.0570	Three-rate-equation model, initiation of PBX 9502	9.0657
Thermal decomposition, TNAZ and NDNAZ	11.0239	Threshold for jet initiation, predicting	9.1404
Thermal decomposition, zero-dimensional model	11.0533	Threshold for laser initiation, PETN, HMX, HNS	9.1100
Thermal degradation, characterization	11.0127	Threshold gap values, cavitation effects	7.0376
Thermal explosion chemistry, gas products, time	9.0228	Threshold impact velocity of jet vs diameter	9.1416
Thermal explosion theories, gaseous systems	2.0563	Threshold initiation, LX-13, PETN, PBX 9407, ...	8.1091
Thermal explosion theory, reaction rate	6.0076	Threshold pressure vs reciprocal charge diameter	4.0446
Thermal explosion time at m.p. vs pressure	7.0037	Threshold velocity data, Comp B, TNT, tetryl	8.1151
Thermal explosion times, critical diameter	5.0102	Thurston's stress gradient model, spall study	6.0487
Thermal explosions, EB heating, heat flow oven	7.0062	TIGER calculations, baratol	9.1378

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
TIGER calculations, pinned-wedge tests	9.0025	TNT, BKW model & performance data	3.0728
TIGER code calculation for starch/Al	9.0972	TNT, bubble energy, underwater expansion	6.0546
TIGER code calculations of DDT	9.0320	TNT, burn rate, sensitiveness, Q, m x Q	2.0651
TIGER JCZ3 adiabats, EMULITE vs air, P-u _p	8.1077	TNT, calculated & test detonation velocities	2.0418
TIGER model, CP detonation properties	7.0870	TNT, calculated detonation temperature	1.0074
TIGER model, detonation pressure calculations	5.0028	TNT, calculated pressure pulse shapes	7.0910
TIGER model, matched to CJ from JCZ EOS	7.0725	TNT, cast, low-temperature properties	6.0036
TIGER model, nitromethane EOS	7.0610	TNT, cast, multiple Lagrange gauge study	6.0786
TIGER parameters, BKW, BKWR, JCZ3	6.0720	TNT, cast, numerical modeling	9.0250
TIGER/BKWR EOS for eutectics of EDD and AN	7.0555	TNT, cast, shock compressibility differences	7.0793
Tilt control of impact surfaces	5.0382	TNT, chemical decomposition model	7.0056
Time dependence vs method of characteristics	4.0520	TNT, chemical reaction, fracture result	8.0243
Time resolved temperature measurements	11.0353	TNT, chemistry in free expansion of HE products	9.0953
Time to explosion, interpretation	10.0849	TNT, CJ data & calculated CJ parameters	6.0713
Time to explosion, PBX 9501	11.0325	TNT, CJ point, CJ isentrope, error %	7.0709
Time to onset of compressive reaction, DDT	9.0306	TNT, CJ properties, oxygen balance	8.0547
Time-dependent 1D unsupported detonation	6.0352	TNT, CJ state for cast, model	7.0364
Time-dependent absorp. spectroscopy, C ₆ H ₆	9.0190	TNT, Comp B, burn rate anomalies	7.0898
Time-dependent behavior, composite explosives	6.0729	TNT, conductivity profiles, C precipitation	4.0599
Time-dependent detonation waves, curvatures	1.0099	TNT, confined, after firing, deflagration	6.0204
Time-dependent EOS, Al-underwater explosives	10.0675	TNT, critical energy vs reaction response	6.0003
Time-dependent flow behind detonation front	6.0637	TNT, critical length vs critical velocity	4.0432
Time-resolved conductivity, detonating HE	9.0396	TNT, crystal structure in cast block	8.0412
Time-resolved infrared radiometry	7.0993	TNT, crystal structure, sensitiveness	3.0666
Time-resolved infrared spectral photog., TRISP	9.0153	TNT, curvature effect on shock wave	1.0099
Time-resolved mass spectra	9.0162	TNT, cylinder test results	4.0005
Time-resolved mass spectrometry	9.1140	TNT, cylinder with air bubble, deformation	6.0340
Time-resolved radiation in reaction zone	4.0602	TNT, decomposition in shock wave	9.0050
Time-resolved spectrometries in initiation	9.0172	TNT, deflagration rate, modeling	7.0175
Time-resolved spectroscopy	11.0521	TNT, density, D, cd, experimental pressure	3.0376
Time-to-exotherm, thermocouple measurement	9.0228	TNT, density, shock & particle velocities	4.0245
TMETN, shock compression through inert, DDT	3.0813	TNT, detonability in propellants & explosives	3.0637
TNB, direct-contact detonation sensitivity	4.0407	TNT, detonation behavior of liquid	2.0439
TNB, time delay vs temp reciprocal, decomp.	3.0068	TNT, detonation decay velocity	1.0015
TNETB, impact sensitivity, critical temperature	3.0069	TNT, detonation parameters, Chinese test	8.0440
TNM, detonation velocities	8.0538	TNT, detonation pressure profile	9.0471
TNM, LVD & HVD in liquid HE, card gap test	4.0412	TNT, detonation propagation data, gap test	6.0040
TNM/Al isentropic behavior	7.0942	TNT, detonation properties, carbon EOS	8.0528
TNM/C, cylinder test data, temperature effect	8.1022	TNT, detonation temperature measurement	9.0947
TNT Hugoniot	9.0379	TNT, detonation temperature, pyrometer	8.0574
TNT labeled with ¹³ C	9.0407	TNT, detonation velocity vs density	9.0443
TNT performance, Q, Cu cylinder test	9.0478	TNT, detonation-front temperature	9.0939
TNT reaction products	9.0962	TNT, diameter-effect parameters	6.0647
TNT soot, mass spectrum, ODTX	9.1170	TNT, direct-contact detonation sensitivity	4.0406
TNT, 2D Lagrangian probe	9.0077	TNT, dop-weight impact test	3.0006
TNT, 500-ton hemisphere, photograph	8.0410	TNT, dural, u _{FS}	2.0333
TNT, air gap effect on propagation	8.0409	TNT, EMV gauge, detonation pressures & times	5.0413
TNT, anomalous burn rate characteristics	7.0898	TNT, EMV particle velocity meas. in detonator	9.0816
TNT, base gap effect on sensitivity, NSWC test	7.0914	TNT, EOS and thermal decomposition rate	3.0352

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
TNT, exploding-foil sensitivity effect	7.0928	TNT, receptors in gap tests	7.0279
TNT, explosively driven metal, model	8.0610	TNT, retarded detonation, tricks (chicanery)	6.0226
TNT, fracture surface topography	9.0918	TNT, sensitiveness of liquid & pressed grains	2.0643
TNT, gas pockets in low-velocity detonation	2.0584	TNT, sensitivity	7.0373
TNT, Hugoniot curves and sound velocities	4.0235	TNT, sensitivity and explosiveness	8.0265
TNT, Hugoniot data for unreacted explosive	5.0251	TNT, sensitivity and performance data, SDDT	8.1132
TNT, Hugoniots, derivatives along shock path	6.0791	TNT, sensitivity with ammonium nitrate	7.0804
TNT, ignition by air gap compression	7.0003	TNT, shock compression through inert, DDT	3.0813
TNT, ignition threshold	9.1460	TNT, shock front velocity in vacuum	4.0176
TNT, impact sensitivity and OB ₁₀₀	3.0681	TNT, shock temperature in model	7.0463
TNT, impact sensitivity and oxygen balance	3.0701	TNT, shock wave transmission through Al	1.0090
TNT, inert-explosive interface study	6.0029	TNT, shocked, heat-sensitive film record	7.0973
TNT, initiation and propagation, model	7.0362	TNT, shock-induced phase change	5.0257
TNT, JCZ state, molecular parameters	7.0721	TNT, single-crystal tests, properties	2.0470
TNT, large-scale gap test, critical diameter	5.0207	TNT, slurry, calculated blasting performance	8.0987
TNT, laser ignition test	8.0476	TNT, snow-flaked packed, CJ pressures	2.0380
TNT, linear surface regression to 500°C	4.0461	TNT, temperature, measured and calculated	8.0558
TNT, liquid, modified gap test	7.0310	TNT, thermal decomp. at P = 10-50 kbar	5.0331
TNT, liquid/solid, energy threshold, P-t plot	6.0106	TNT, thermal decomposition of confined HE	6.0214
TNT, low-pressure point on isentrope	3.0389	TNT, thermal initiation and growth	5.0280
TNT, low-pressure, low-velocity shocks	4.0239	TNT, thin-flyer plate impact	9.0066
TNT, low-temperature initiation	6.0036	TNT, time delay vs 1/T, decomposition	3.0067
TNT, luminosity records, detonation temps	2.0158	TNT, TNT/NM, electrical transducer studies	4.0609
TNT, measured detonation pressure, aquarium	5.0065	TNT, unconfined cylinder, test, 2DL model	5.0313
TNT, mechanical properties, drop weight	8.0642	TNT, underwater shock-to-burn tests	4.0489
TNT, molecular geometry, bond lengths, ab initio	8.0830	TNT, wave curvature vs charge length, l/d < 3	2.0504
TNT, multiply shocked, sensitivity effect	7.0906	TNT, wax gap test	1.0023
TNT, oblique shocks, perpendicular drive	6.0602	TNT, ZND proof, induction/chemical reaction	2.0358
TNT, overall energy balance	6.0559	TNT/AN + Al, detonation products analyzed	8.0577
TNT, overdriven shock Hugoniot	9.0443	TNT/AN, diameter effect, D vs 1/d, limit data	4.0182
TNT, overdriven shocked states	5.0533	TNT/AN, v-d curves, wave shape vs d, kinetics	2.0733
TNT, particle velocities, Lagrange gauges	7.1074	TNT/NQ + Al, detonation products, Q	8.0577
TNT, physical properties, grain growth	1.0032	TNT/NQ, detonation products in argon & vacuum	9.0962
TNT, Plexiglas monitor, shock velocity	5.0023	TNT/NQ/wax, gap test results	8.0228
TNT, porous, response, model & data	6.0766	TNT/RDX, 90/10 to 30/70	9.0407
TNT, pressed & cast, shock wave properties	9.0050	TNT/RDX/wax, runup distance and gap test	7.0336
TNT, pressed with liquid in pores	9.0724	TNT/salt mixtures, quenching effect of salt	2.0509
TNT, pressed, detonation velocity vs diameter	3.0327	TNT/wax, gap test results	8.0228
TNT, pressed, jet initiation	8.0318	TNTB, burn rate, sensitiveness, Q, m x Q	2.0651
TNT, pressed, light-gas gun impact	6.0003	TNT-loaded EBW initiation	4.0452
TNT, pressed, physical characteristics	6.0006	TOODY model, NM failure	7.0609
TNT, pressed, wedge test & smear camera data	3.0504	Topography, fracture surface of HEs	9.0918
TNT, pressure pulses, free-surface velocities	7.0910	Torching experiments, simulations	8.0215
TNT, pressure shear ignition	9.0003	Torpex 2B, sensitivity and explosiveness	8.0265
TNT, properties compared with those of DATB	3.0769	Torpex, low-order reactions--reaction zone	4.0462
TNT, radicals in decomposition products	8.0742	Torvik's method, Hugoniot for mixtures	9.0034
TNT, reaction profiles	11.0297	TP-H1207C propellant, characterization	9.1060
TNT, reaction zone length calculated	5.0023	TRANBA subroutine to RUBY program, isentropes	4.0168
TNT, reaction zone structure	9.0670	Transducer studies, initiation of liquid HE	4.0609

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Transient combustion process, model	8.0940	Ultrafast laser microphotography	9.0641
Transient, self-sustained detonation	10.0043	Ultrasonic measurement of D & temp	1.0031
Transit times = sound speeds & initial slopes	4.0240	Ultrasonic wave effects, microstructure	11.0312
Transit times in HE charges, pin method	2.0136	Ultrasonic wave velocity, elastic moduli, PETN	6.0396
Transition pressures and slow burn	3.0085	Ultrasonic welding hazard	7.0043
Transmission & growth of detonation	2.0620	Ultraviolet light initiation of azides	2.0547
Transparent anvil, drop-weight apparatus	8.0635	Underwater deflagration, lead azide crystals	5.0305
Transparent liquid-HE optical emission	8.0015	Underwater detonation, acoustic half-space	5.0493
Transport model, SLIC method, advected volume	7.0696	Underwater detonation, AN emulsion HEs	9.0621
Transport phenomena, detonation wave effect	3.0537	Underwater detonation, artificial viscosity	5.0597
Transport-controlled reaction, model	7.0521	Underwater detonation, bubble expansion	6.0540
Transverse displacement test setup	2.0637	Underwater detonation, density effects	6.0561
Transverse wave effects, condensed HE, photos	6.0414	Underwater detonation, spherical interaction	5.0581
Trapezium test	10.0044	Underwater detonation, surface burst model	5.0493
Trapezoidal prism shot assembly, PBX 9502	8.0373	Underwater explosion, emulsion HEs	9.0641
Trauzl test, methyl nitrate sensitivity	5.0268	Underwater explosions, bubble effects	1.0008
Trinitroanilines, EPR spectrum	8.0746	Underwater explosions, enhancement	11.0466
Trinitroaromatics, UV & thermal decomposition	8.0742	Underwater explosions, shock wave effects	6.0561
Trinitromethyl compounds	7.0090	Underwater explosions, simple analysis	6.0502
Trinitromethyl compounds, impact tests, OB ₁₀₀	3.0675	Underwater explosions, spheres, calibration	5.0599
Triple sphere, wave forms, velocities	8.0089	Underwater explosives, detonation chemistry	10.0619
Triple-wave initiation model, insensitive HE	7.0373	Underwater explosives, optimizing flow	6.0551
TRISP feasibility, CHNO decomposition kinetics	9.1140	Underwater gap test, calibration, PBX 9205	5.0599
TRISP, time-resolved infrared spectral photography	9.0153	Underwater HE detonation, chemistry	9.0626
Tritonal & HBX, velocity-diameter curves	2.0737	Underwater HE use, shock wave & bubble	1.0107
Tritonal, gap test results	8.0228	Underwater HEs, performance estimate	9.0633
Tritonal, Hugoniot data for unreacted HE	5.0251	Underwater sensitivity test	9.1235
TS 3659, DDT studies	9.0354	Underwater sensitivity test, hot spots	7.0973
TS3659 propellant, numerical simulation of DDT	9.0329	Underwater shock input, TATB, HMX, & AP	9.0897
TS3659, compressive reaction	9.0341	Underwater shock, initiation to burn	4.0487
TS3659, thermophysical & material property data	9.0293	Underwater shock, methods	3.0795
TS3659, x-t DDT data	9.0306	Underwater shock, molecular subignition tests	8.0725
TTF, liquid HE, characterization	6.0469	Underwater shock, pressure P_1 vs r/r_0	6.0587
Tube-wall motion, flash x-ray photograph	7.0799	Underwater shock, waves from pentolite	4.0027
Tungsten oxide	11.0045	Underwater tests, ANFO, nonideal detonation	3.0315
Tungsten strikers, oscilloscope traces	2.0562	Unreacted Hugoniot, emulsion HE	9.0573
Tungsten, shock wave vs particle wave velocity	7.0831	Unstable detonation	10.0704
Turbulence effects on gas detonation in tubes	2.0255	Unsteady & regular Mach reflection, water	6.0570
Two-dimensional initiation model	7.0316	Unsteady 1D shock waves in solid HE	3.0535
Two-dimensional initiation, prompt and delayed	10.0476	Unsteady condensation 3D shocks, jet formed	2.0304
Two-dimensional shock wave velocity	8.0089	Unsteady detonation growth, solid HE	3.0534
Two-stage light-gas gun, shocked C ₆ H ₆	9.0190	Unsteady flow equations, Eulerian, Lagrangian	6.0582
Two-step combustion model, granular materials	9.0293	Unsteady flow, plane, Lagrangian equations	3.0213
TZL-4, time to explosion	9.0228	Unsteady motion of perfect fluid, 1D model	4.0503
UFD particle-size distributions	9.0407	Unsteady shock propagation in reactive media	4.0502
UFD, ultrafine-diamonds from detonating HE	9.0407	UP (ureamonoperchlorate), water soluble	6.0450
UGS propellant, characterization	9.1060	Uranium, conical implosion, vaporization	5.0547
Ultracentrifuge tests, fracture results	8.0243	UV-irradiated HMX, shock transit time	8.0847
		V ² d criterion, jet initiation	9.1416

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
V ² d criterion, jet initiation	10.0108	Viscosity effect, detonation wave theory	7.0795
V ² d criterion, prediction	10.0122	Viscosity vs temperature, 3 liquid HEs	6.0470
Vacuum detonation, TNT/NQ and TNT/AN	8.0579	Viscosity, solid, estimation of	11.0758
Vacuum gap test setup	7.0005	Viscous heating, efficient for shock condition	8.0068
Vacuum, explosives, front velocities	4.0176	VLW EOS, CJ calculations for CHNO HEs	8.0796
Van der Waal's one-fluid mixture model	7.0646	VLW EOS, comparison with BKW and LJD	8.0796
Variable-density HE, foams	9.1364	VLW EOS, predicting detonation parameters	9.0435
Velocimetry, Fabry-Perot interferometry	9.1371	Void & gas bubble effects, surface reaction	3.0518
Velocities, D & plasma, vs oxygen balance	3.0192	Void collapse model, shock initiation	7.0506
Velocities, detonation & deflagration, probe	4.0616	Void collapse, role in initiation	9.0842
Velocities, electronic streak camera record	8.0468	Void gas effect on temperature measurement	9.0947
Velocities, multiple release rates, unloading	7.0857	Void model, dynamic compaction process	8.0929
Velocities, particle velocity, HE/window interface	8.0016	Void volume effect, surface reaction mechanism	4.0402
Velocities, particle velocity-time records for CP	7.0871	Voidage, effect on reaction rate	9.0197
Velocities, vs embedded gauge vs reactive flow	8.0955	Voids, decreased velocity and pressure	2.0629
Velocity record, oscillograph trace, PETN	1.0013	Void-type, effect on sensitivity	10.0802
Velocity vs curvature radius, detonation wave	2.0424	Volume & pressure dependence, kinetics of HE	6.0305
Velocity vs curvature, non-ideal explosives	11.0181	von Neumann detonation theory, 2D extension	2.0424
Velocity-diameter dependence, critical diameter	6.0344	von Neumann model, analysis & proof	2.0312
Velocity-diameter predicted relationship	7.0589	von Neumann spike, CJ condition	1.0107
Velocity-pressure data, aquarium tests	5.0065	von Neumann spike, density, estimating	4.0078
Venting by orifice flow, deflagration model	7.0175	von Neumann spike, in pressure-time curve	3.0249
Vibrating solid, partition function	2.0406	von Neumann spike, oxidation reaction zone	2.0212
Vibrational energy transfer in HE	9.0235	von Neumann spike, pressure, PMMA disks on HE	4.0244
Vibrational modes, TATB Raman spectra	9.0153	von Neumann-Richtmeyer, Q method, hydrocode	3.0226
Vibrational spectroscopy, molecular initiation	9.0172	von Neumann-Richtmeyer, Q method, models	3.0723
Vibrational spectroscopy, shocked liq. N ₂ & NM	9.0180	von Neumann-spike pressure, LX-17	9.0133
Vibron level, lattice density, PETN & NM	9.0235	VOY propellant in DDT studies	7.0146
Vickers hardness test, RDX deformation	7.0977	WAK-2 propellant, characterization	9.1060
VID model	11.0170	Walker-Wasley criterion, flyer plate impact	8.1093
VID model	11.0632	Wall effect on EDC35 detonation velocity	9.0831
Violence of HE response compared to sensitivity	9.1460	Wall traces of detonation, NM, test methods	5.0105
VIR model	11.0612	Wall velocities calculated from fit to data	6.0518
Virial EOS of detonation products, TATB	9.0506	Water (also see aquarium)	
Virtual piston in DDT	9.0265	Water, isentropes & isotherms, calculated	4.0030
VISAR on TNT & RDX	9.0050	Water, shock pressure vs shock velocity	3.0369
VISAR PSF gauge, data comparison	9.0822	Water-control tests, precursors identified	5.0081
VISAR, dial-delay leg, digital recorders	6.0669	Water-filled expansion test	11.0344
VISAR, meas. of HNS mild detonating fuse output	9.1510	Water-in-oil emulsion explosive	10.0741
VISAR, reaction-zone struct., supracomp. HE	9.0670	Water-jet impact, Class 1.1 materials	10.0918
VISAR, solid-state, portable	10.0351	Wave curvature film, wave trace	2.0446
VISAR-measured waveforms	7.0402	Wave curvature increase, reaction zone width	6.0405
Viscoelastic fracture	11.0003	Wave curvature measurement method, liquid TNT	2.0443
Viscoelastic-cracking model	11.0004	Wave curvature vs diameter & density, ideal HE	2.0500
Viscoplastic flow and pore collapse	10.0509	Wave diagrams, spalling calculations	6.0482
Viscoplastic model, hot spots in shocked HE	7.0435	Wave front curvature calculations	11.0018
Viscoplastic work, collapsing cavities	8.0068	Wave front patterns, impacting plates, diagram	5.0576
Viscosity & heat transfer effects in codes	3.0803	Wave front solution, nonideal 1D model	8.1026
Viscosity effect in growth of detonation	3.0534	Wave profile, low pressure, PBX 9501	11.0318

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
Wave propagation in EDC35	9.1243	Wedge test, plane wave, schematic	5.0221
Wave propagation, 2D hetero- & homogeneous	6.0405	Wedge test, setup, streak camera records	8.0905
Wave propagation, after shock initiation, x-t	3.0306	Wedge test, velocity vs time, H ₂ -O ₂ mixes	2.0270
Wave propagation, elastic-plastic materials	4.0295	Wedge tests & rate sticks, HMX/AP/Al	7.0620
Wave propagation, single crystals, PETN	6.0397	Wedge tests, HMX formulations	9.0025
Wave reflections in target, Comp B/Al	2.0368	Wedge tests, pinned, HMX, particle size	9.0025
Wave shape analysis	10.0050	Weierstrassian elliptic function, flow calc.	4.0016
Wave shape effects from inert additives	2.0508	Welding, jetless & jet forming with sheet HE	4.0499
Wave shape measurements in aluminized HE	2.0739	WG2 & 4, MMAN sensitive watergels	6.0546
Wave shape vs particle size, d, nonideal	2.0512	Whitham's method, propagating shock waves	4.0145
Wave shapes, steady-state, rods & slabs	9.0784	Whitham's rule, extended, underwater blasts	6.0502
Wave structure, rotating-mirror camera	5.0097	Whitham's shock dynamics theory, divergent	9.0784
Wave surface curvature effects, shock waves	6.0379	Wien's radiation equation, detonation temperature	2.0157
Wave velocities, ultrasonic, elastic moduli	6.0396	Wilkins EOS of detonation products, TATB	9.0506
Wave velocity-elastic stiffness modulus	6.0398	Wilkins EOS, modified, dip below constant γ	4.0054
Wave-curvature/velocity relationship	10.0051	Wilkins form of EOS, dip in CJ adiabat	4.0024
Waveform records, conductance, flat probes	4.0598	Williamsburg equation of state	10.0377
Waveforms, PBX 9404 models and tests	8.0932	Wire bridge in EBW initiator	4.0450
Wave-front curvature	9.0806	Wire heating, high-speed microphotography	9.0641
Wavelength dependence, laser initiation	9.1118	Witness foam, CJ conditions in foamed PETN	6.0188
Wax, desensitizing against cavity initiation	2.0681	Witness plate dent from prism test	8.0374
Wax, effects on sensitivity	7.0336	Witness plates, high-density effects on tests	5.0047
Wax, effects on sensitivity of HMX/wax	4.0399	Wondy model, nitromethane failure	7.0609
Wax-gap sensitivity test, NOL, setup & data	1.0022	Wondy, 1D Lagrangian model, shock & ramp	7.0394
W-B-L detonation model, developments	10.0386	WONDY, 1D Lagrangian propagation code	9.0209
WBL detonation wave propagation	11.0012	Wood-Kirkwood diameter effects	2.0424
WC 140, compressive reaction	9.0341	Wood-Kirkwood equations, curvature effect, D	4.0086
WC 140, thermophysical & material property data	9.0293	Wood-Kirkwood reaction zone length	9.0806
WC 231, double-based propellant, DDT study	8.0658	Wood-Kirkwood results, diameter effects study	6.0651
WC 231, thermophysical & material property data	9.0293	Wood-Kirkwood theory extended, 2D detonation	7.0589
WCA self-consistent EOS models	8.0521	Wood-Kirkwood theory, nonideal explosives	9.0197
WCA theory, simplified in BKW-EOS	7.0704	X-0204, cylinder test results	4.0005
WCA4 EOS, CJ calculation, CHNO explosive	8.0751	X-0219, 2DL wave propagation, model vs data	6.0411
WCA4 EOS, intermolecular potentials	7.0703	X-0219, front curvature, reaction zone length	6.0650
WCA4-calculated CJ pressure	7.0716	X-0219, wave surface curvature effects	6.0379
Weak condensation detonations, gas flow	2.0295	X-0233, tungsten-loaded HMX, detonation tests	8.0979
Weak detonation solution, Taylor, Friedrichs	2.0304	X-0242, mechanical properties	11.0076
Weak detonation, polymorphous transformation	9.0766	X-0242, performance & sensitivity	9.1014
Wedge experiments with NM, TNT	6.0013	X-0290, diameter-effect parameters	6.0647
Wedge test, baratol	9.1378	X-0290, failure radii, data & model	6.0412
Wedge test, brass-PETN, 2.5-kbar initiation	3.0563	X-0290, I ² C photo, initiation on back face	6.0667
Wedge test, data, better	4.0234	X-0290, particle velocities, magnetic probe	6.0637
Wedge test, emulsion properties	9.0573	X-0319, composition, density	7.0567
Wedge test, liquid NO, cold, gas gun	9.1335	X-0320, composition, density	7.0567
Wedge test, modeling, PBX, 2D JWL	9.1217	X-0321, composition, density	7.0567
Wedge test, new, no confinement effect	8.0372	X-0341, composition, density	7.0567
Wedge test, no retonation, camera record	3.0504	X-0342, composition, density	7.0567
Wedge test, parameters & setup, DATB, (NOL)	3.0770	X-0343, composition, density	7.0567
Wedge test, particle-size effect on PBX	9.0018	X-0344, composition, density	7.0567

TOPIC PHRASE INDEX (Continued)

Subject	Sy.Pg	Subject	Sy.Pg
X-0344, tensile properties	8.0637	ZND pressure, nitromethane mixtures	7.0586
X-0407, detonation reaction zone study	8.0123	ZOX properties and formulations	9.0995
X-0420 performance	9.0478	ZOX, chemical and detonation properties	9.0985
X-0430, performance & sensitivity	9.1014	ZrH ₂ -based composites, reactive flow meas., calc.	9.0525
X-0432 performance	9.0478	Z-TACOT, detonation properties, carbon EOS	8.0528
X-0438, performance & sensitivity	9.1014		
X-0444, performance & sensitivity	9.1014		
X2 (HMX), EOS calculation	8.0751		
XDT	11.0170		
XDT	11.0701		
XDT definition, reactions	7.0265		
XDT events	10.0148		
XDT reaction, instrumented shotgun tests	7.0301		
XDT reaction, threshold velocities	7.0259		
XDT, ANFO, double-pipe test	8.0390		
XDT, computational simulations	11.0170		
XDT, distance to detonation data	8.0888		
XDT, investigative techniques	11.0162		
XDT, propellants, rarefaction, and compaction	8.0284		
XDT, shock history	10.0480		
Xenon arc image furnace, propellant study	7.0217		
XM39, detonation characteristics	9.0537		
XNOVAK code for DDT	9.0329		
XPS spectra, HMX, RDX	9.0897		
XPS spectra, RDX, TNT, AP, TATB	8.0728		
XPS, HE reaction product, subignition regime	8.0725		
XPS, x-ray photoelectron spectroscopy	9.0897		
X-ray absorption photometer, detonation tube	2.0188		
X-ray initiation of azides	2.0565		
X-ray photoelectron spectroscopy (XPS)	8.0243		
X-ray photoelectron spectroscopy (XPS)	8.0725		
X-ray study of DDT in granular HMX	9.0265		
X-ray tomography of HE defects	9.0868		
X-ray topography, LiF strain fields	7.0982		
XTX-8003, diameter-effect parameters	6.0647		
YAG laser, temperature behind shock wave	7.1010		
YIZUM, 1D Lagrangian initiation model	7.0506		
Zeldovich reaction zone, pressure vs distance	1.0046		
Zeldovich-von Neumann priority claim	1.0105		
Zero-pressure limit of Hugoniot vs sound speed	4.0344		
Zeroth-order internal structure, solid HE	7.0686		
ZND detonation spike point, NM study	7.0610		
ZND model, chemical reaction zone	7.0369		
ZND model, chemical reaction zone	7.0641		
ZND model, Chinese detonation research	7.0795		
ZND Model, nonequilibrium	10.0003		
ZND model, particle velocity histories	7.0488		
ZND model, shock amplitude evolution	6.0382		
ZND model, steady detonation reaction	7.0531		

C. Author Index

Alphabetic

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Abernathy, R.L.	11.0475	Andrews, G.	8.0099	Baconin, J.	8.0151
Ablard, J.E.	1.0088	Andrews, S.A.	11.0428	Baconin, J.	8.0159
Abouseif, G.E.	6.0502	Andriot, P.	9.0506	Baer, M.R.	9.0293
Adams, G.K.	4.0502	Anisichkin, V.F.	9.0407	Baer, M.R.	9.0906
Adams, K.J.	11.0054	Annikov, V.E	11.0248	Baer, M.R.	10.0409
Adenis, J.C.	8.0892	Antipenko, A.G.	6.0143	Baer, M.R.	11.0127
Adolph, H.G.	7.0084	Arbuckle, A.L.	7.1055	Baer, M.R.	11.0788
Adolph, H.G.	7.0952	Arbuckle, A.L.	8.0307	Baer, M.R.	11.0852
Agnew, S.F.	8.0715	Arbuckle, A.L.	8.0943	Baer, M.R.	11.0958
Agnew, S.F.	9.1019	Arbuckle, A.L.	9.1489	Baer, T.A.	11.0434
Akst, I.B.	5.0059	Argous, J.P.	4.0135	Bahl, K.L.	7.0325
Akst, I.B.	6.0439	Ari, N.	11.0428	Bahl, K.L.	8.1045
Akst, I.B.	7.0548	Armstrong, R.W.	7.0976	Bahl, K.L.	9.0133
Akst, I.B.	8.1001	Armstrong, R.W.	9.1260	Bai Chunhua	9.0879
Akst, I.B.	9.0478	Armstrong, R.W.	11.0443	Bailey, W.A.	4.0014
Alcon, R.R.	9.0039	Arnold, W.	8.1131	Bailey, W.A.	7.0678
Alcon, R.R.	10.0166	Asaba, T.	8.0168	Baillou, F.	10.0816
Alcon, R.R.	10.0459	Asay, B.W	9.0265	Bainville, D.	9.1070
Alcon, R.R.	11.0451	Asay, B.W	9.0537	Baker, D.E.	9.0972
Alcon, R.R.	11.0821	Asay, B.W	10.0104	Baker, E.L.	10.0394
Aldis, D.F.	9.0112	Asay, B.W	10.0485	Baker, E.L.	10.0433
Aldis, D.F.	9.0280	Asay, B.W	10.0716	Baker, E.L.	11.1073
Alexander, K.E.	9.0498	Asay, B.W.	11.0153	Baker, E.L.	11.1073
Alexander, K.E.	11.0428	Asay, B.W.	11.0325	Baker, P.J.	11.0254
Allan, J.W.S.	4.0014	Asay, B.W.	11.0325	Baker, R.N.	9.0806
Allan, J.W.S.	4.0052	Asay, B.W.	11.0606	Baker, R.N.	10.0347
Allison, F.E.	3.0112	Asay, B.W.	11.0781	Baker, R.N.	10.0347
Almgren, L.-Á.	10.0741	Asay, B.W.	11.0781	Balagansky, I.A.	10.0841
Alrick, K.R.	11.0054	Aselline, C.L.	7.0986	Balduc, P.R.	10.0608
Alster, J.	3.0693	Aslam, T.D.	11.0021	Balzer, S.	11.0054
Amann, J.F.	11.0054	Aslam, T.D.	11.1029	Bardenhagen, S.G.	11.0547
Amery, B.T.	6.0673	Atwood, A.I.	7.0216	Bardo, R.D.	7.0093
Amster, A.B.	3.0584	Atwood, A.I.	9.0363	Bardo, R.D.	8.0855
Amster, A.B.	4.0126	Atwood, A.I.	10.0320	Bardo, R.D.	9.0235
Andersen, W.H.	4.0205	Aubert, S.A.	9.1284	Barker, M.A.	8.0262
Andersen, W.H.	5.0067	Austing, J.L.	3.0396	Barlett, R.H.	6.0755
Andersen, W.H.	6.0682	Austing, J.L.	5.0047	Basset, J.F.	8.0262
Andersen, W.H.	7.0459	Austing, J.L.	6.0183	Bathelt, H.	8.0577
Anderson, A.B.	7.0385	Austing, J.L.	9.0972	Baudin, G.	9.1371
Anderson, C.J.	9.1364	Aveillé, J.	8.0151	Baudin, G.	10.0122
Anderson, C.J.	10.0294	Aveillé, J.	8.0159	Baudin, G.	10.0646
Anderson, G.D.	4.0213	Aveillé, J.	8.0815	Baudin, G.	11.0353
Anderson, K.	11.0239	Aveillé, J.	8.0892	Baudin, G.	11.0735
Anderson, M.U.	10.0166	Aveillé, J.	9.0506	Baudin, G.	11.0979
Anderson, R.D.	7.0198	Aveillé, J.	9.0842	Baudin, G.	11.0989
Anderson, S.R.	11.0889	Aviles, J.B.	7.0050	Bauer, P.	7.0768
Anderson, W.W.	11.1058	Avrami, L.	5.0351	Bauer, P.	8.0762
Andersson, B.	4.0602	Avrami, L.	6.0389	Bauer, P.	9.0925
Andrew, M.I.	9.1253	Axenrod, T.	10.0358	Bauer, P.	9.0933
		Ayalon, D.	8.1126	Baute, J.	8.0521
		Aziz, A.K.	3.0205	Baute, J.	8.0751

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Bdzil, J.B.	6.0352	Bergues, D.	10.0122	Bordzilovsky, S.A.	8.0196
Bdzil, J.B.	9.0730	Bergues, D.	10.0646	Borgardt, F.G.	6.0389
Bdzil, J.B.	9.0773	Bergues, D.	11.0989	Borisov, A.A.	6.0250
Bdzil, J.B.	10.0716	Berke, J.G.	5.0089	Borisov, A.A.	7.0435
Bdzil, J.B.	11.0021	Berke, J.G.	5.0237	Borne, L.	10.0286
Bdzil, J.B.	11.1029	Bernard, S.	9.0489	Borne, L.	11.0657
Bean, C.M.	3.0001	Bernecker, R.	11.0221	Boslough, M.B.	9.1199
Beard, B.C.	9.0897	Bernecker, R.R.	6.0426	Bouchon, H.	4.0527
Beard, B.C.	10.0347	Bernecker, R.R.	7.0119	Bouma, R.H.B.	11.0640
Beatrix, P.	4.0527	Bernecker, R.R.	7.0843	Bouriannes, R.	7.0768
Beauregard, R.	3.0584	Bernecker, R.R.	8.0658	Bourne, N.K.	9.0869
Becksted, M.W.	6.0258	Bernecker, R.R.	8.0881	Bowden, F.P.	2.0561
Becksted, M.W.	7.0143	Bernecker, R.R.	9.0354	Bowman, A.L.	7.0479
Becuwe, A.	9.1008	Bernecker, R.R.	10.0476	Bowman, J.D.	11.0045
Bedford, C.D.	10.0358	Bernecker, R.R.	10.0490	Bowser, M.	2.0157
Bedford, C.D.	11.0214	Bernecker, R.R.	10.0499	Boyd, T.J.	2.0136
Bedoch, J.P.	9.1371	Bernecker, R.R.	10.0802	Boyd, T.J.	2.0151
Beedham, K.	5.0279	Bernier, H.	4.0381	Boyd, T.J.	4.0639
Behrens Jr., R.	10.0181	Bernstein, D.	3.0 88	Boyer, L.R.	9.1295
Behrens Jr., R.	11.0239	Bhasu, V.C.Jyothi	9.1276	Boyle, V.M.	3.0520
Behrens Jr., R.	11.0533	Bi Zhu	8.0093	Boyle, V.M.	4.0241
Beitel Jr., F.P.	9.0585	Bianchi, C.	10.0724	Boyle, V.M.	5.0251
Bélanger, C.	8.0361	Bigot, J.	11.0989	Boyle, V.M.	6.0011
Bélanger, C.	9.1480	Bigot, Y.	11.0384	Boyle, V.M.	7.0906
Bélanger, C.	10.0305	Bines, A.	9.1404	Boyle, V.M.	9.0003
Bélanger, C.	11.0664	Bird, R.	8.1035	Boyle, V.M.	9.0897
Belcher, R.A.	7.0678	Bjarnholt, G.	5.0115	Boyle, V.M.	9.1460
Belcher, R.A.	9.0831	Bjarnholt, G.	6.0510	Brackbill, J.U.	11.0547
Belcher, R.A.	9.1253	Bjarnholt, G.	6.0540	Braconnier, J.C.	8.0337
Belgaumkar, B.M.	6.0267	Bjarnholt, G.	8.1069	Braithwaite, M.	9.0513
Bell, K.	10.0891	Blais, N.C.	8.0701	Braithwaite, M.	10.0377
Belmas, R.	9.1070	Blais, N.C.	9.0953	Braithwaite, M.	11.1065
Belmas, R.	10.0507	Blais, N.C.	10.0563	Brandon, W.W.	3.0822
Belmas, R.	10.0724	Blake, O.	9.0003	Brazell, N.	9.1131
Bemm, U.	11.0807	Blake, T.G.	2.0711	Brazhnikov, M.A.	10.0542
Benhaim, P.	6.0195	Blommer, E.J.	7.0299	Brazhnikov, M.A.	11.0979
Benjamin, K.J.	8.1139	Bloom, G.	8.0003	Breithaupt, R.D.	8.0613
Benjamin, K.J.	9.1460	Bloom, G.	8.1045	Breithaupt, R.D.	9.0133
Benjamin, K.J.	9.1489	Bloomquist, D.D.	7.1004	Breithaupt, R.D.	9.0525
Bennet, A.L.	2.0251	Blumenthal, W.R.	11.0076	Breithaupt, R.D.	9.1378
Bennett, C.M.	11.0883	Boat, R.	6.0729	Briggs, R.I.	11.0272
Bennett, J.G.	11.0111	Boggs, T.L.	7.0216	Brill, T.B.	9.0228
Bennett, L.S.	11.0332	Boggs, T.L.	8.0934	Brill, T.B.	10.0849
Bennett, L.S.	11.0612	Boggs, T.L.	9.0363	Brill, T.B.	11.0917
Benson, D.J.	11.0758	Boisard, F.	7.1010	Brinkley, S.R.	1.0072
Benson, D.J.	11.0768	Boissevain, J.G.	11.0054	Britt, A.D.	8.0734
Bergman, H.	10.0555	Bongrain, P.	8.0159	Brochet, C.	5.0041
Bergman, H.	10.0862	Bonthoux, F.	7.0408	Brochet, C.	6.0124
Bergman, H.	11.0266	Bordzilovsky, S.A.	7.0362	Brochet, C.	7.0583
Bergman, H.	11.0807	Bordzilovsky, S.A.	8.0143	Brochet, C.	7.0768

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Brochet, C.	8.0425	Campbell, A.W.	6.0642	Chaudhri, M.M.	9.0857
Brochet, C.	8.0762	Campbell, A.W.	7.0566	Chaudhri, M.M.	10.0570
Broom, V.C.	4.0462	Campbell, A.W.	7.0624	Chaudhri, M.M.	10.0741
Brossard, J.	5.0041	Campbell, A.W.	8.1057	Chawla, M.	6.0325
Brosse, J.M.	7.0965	Campbell, A.W.	9.0265	Chaykovsky, M.	10.0358
Brower, K.R.	11.0525	Campbell, A.W.	9.0537	Cheese, P.J.	10.0148
Browning, R.V.	11.0101	Campos, J.	9.0925	Cheese, P.J.	11.0272
Browning, R.V.	11.0111	Campos, J.	10.0758	Chen Fumei	9.0816
Brun, L.	9.0757	Campos, J.	11.0399	Chen Peiqi	9.0142
Brun, L.	10.0043	Campos, J.	11.0679	Chen, P.J.	6.0379
Brunauer, S.	1.0003	Capellos, C.	9.1084	Cheret, R.	4.0078
Brush, P.J.	9.0228	Capellos, C.	11.0813	Cheret, R.	5.0031
Bugaut, F.	9.0489	Carabin, H.	5.0231	Cheret, R.	5.0041
Bukiet, B.G.	9.0751	Carion, N.	8.0151	Cheret, R.	5.0567
Bukiet, B.G.	10.0019	Carion, N.	8.0159	Cheret, R.	7.0602
Bulusu, S.	11.0239	Carion, N.	9.0506	Cheret, R.	7.0686
Buntain, G.A.	9.1037	Carion, N.	9.0842	Cheret, R.	8.0425
Buntain, G.A.	11.0101	Carion, N.	10.0037	Cheret, R.	8.0815
Burcat, A.	6.0590	Carlson, D.W.	9.0626	Cheret, R.	9.0246
Burkett, M.W.	11.0003	Carlson, D.W.	9.1260	Cherin, H.	9.1271
Burrows, K.	6.0625	Carlson, L.A.	6.0460	Cherin, H.	10.0808
Burt, M.W.G.	8.1035	Carlson, M.	10.0555	Cherville, J.	7.0065
Burton, J.T.A.	7.0759	Carmel, Y.	8.1126	Cheselske, F.J.	4.0461
Busco, M.	5.0513	Carpenter, J.H.	4.0167	Cheung, H.	6.0729
Bussell, T.J.	9.1404	Carper, W.R.	7.0075	Chevalier, J.M.	10.0037
Bussell, T.J.	10.0069	Castille, C.	9.1070	Chevalier, Y.	4.0527
Bussell, T.J.	11.0279	Castille, C.	10.0207	Chhabildas, L.C.	8.0274
Butcher, A.G.	7.0143	Catalano, E.	6.0214	Chhabildas, L.C.	11.1049
Butcher, B.M.	4.0295	Cau, J.F.	10.0224	Chiarito, M.A.	8.0645
Butcher, G.	11.0162	Chabin, P.	10.0276	Chick, M.	11.0279
Butler, P.B.	8.0962	Chaiken, R.F.	3.0304	Chick, M.C.	4.0349
Butler, P.B.	9.0906	Chaiken, R.F.	4.0461	Chick, M.C.	7.0352
Byers Brown, W.	7.0256	Chaiken, R.F.	6.0344	Chick, M.C.	8.0318
Byers Brown, W.	7.0299	Chaisse, F.	7.0602	Chick, M.C.	9.1404
Byers Brown, W.	8.0770	Chaisse, F.	7.0686	Chick, M.C.	10.0069
Byers Brown, W.	9.0513	Chaisse, F.	8.0159	Chidester, S.K.	10.0786
Byers Brown, W.	10.0377	Chaisse, F.	9.0506	Chidester, S.K.	11.0093
Cachia, G.P.	3.0001	Chaisse, F.	9.0757	Chiles, W.C.	6.0664
Cachia, G.P.	4.0512	Chaisse, F.	10.0050	Chiles, W.C.	6.0723
Cady, C.M.	11.0076	Chaissé, F.	11.0693	Chiles, W.C.	8.0422
Cady, H.H.	6.0700	Chambers, E.S.	7.0256	Chiles, W.C.	9.1335
Calef, D.F.	10.0003	Champion, Y.	11.0989	Chilvers, D.K.	6.0625
Calzia, J.	5.0231	Chan, M.L.	9.0566	Chilvers, D.K.	7.0678
Camarcot, N.	8.0815	Chan, S.K.	7.0589	Chirat, R.	7.0703
Cameron, I.G.	4.0305	Chandler, J.B.	11.0872	Chirat, R.	8.0521
Campbell, A.W.	2.0136	Chang, L.M.	7.0175	Chirat, R.	8.0751
Campbell, A.W.	2.0454	Charrue, P.	10.0885	Chirat, R.	9.0489
Campbell, A.W.	2.0478	Chau, H.H.	11.0828	Choi, K.Y.	10.0515
Campbell, A.W.	3.0469	Chaudhri, M.M.	5.0301	Chou, P.C.	10.0979
Campbell, A.W.	3.0499	Chaudhri, M.M.	7.0735	Chou, P.C.	10.1003

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Christensen, L.W.	6.0258	Cook, M.D.	10.0089	Crawford, P.C.	9.0025
Christopher, F.R.	11.0286	Cook, M.D.	10.0148	Cromer, D.T.	8.0839
Chung, W.K.	7.0343	Cook, M.D.	10.0870	Crosnier, J.	4.0627
Chung, W.K.	8.0805	Cook, M.D.	11.0272	Crouch, L.D.	9.0798
Cichra, D.A.	9.0633	Cook, M.D.	11.0581	Crow, M.L.	11.0054
Clairmont Jr., A.R.	6.0426	Cook, M.D.	11.0589	Crump, O.B.	10.0351
Clairmont Jr., A.R.	7.0119	Cook, M.D.	11.0897	Cruysberg, E.E.A.	6.0299
Clairmont Jr., A.R.	7.0843	Cook, T.M.	10.0139	Cudak, C.A.	8.0962
Clairmont Jr., A.R.	8.0658	Cook, T.M.	10.0696	Cullen, R.E.	2.0266
Clairmont Jr., A.R.	10.0476	Coon, C.L.	7.0940	Cumming, I.G.	2.0601
Clairmont Jr., A.R.	10.0499	Cooper, J.	9.0197	Cunningham, G.S.	11.0391
Clancy, S.P.	11.0003	Cooper, J.	10.0267	Curran, P. O.	10.0320
Clark, D.	11.0054	Cooper, J.	11.0293	Curtis, W.D.	7.0466
Clark, E.N.	3.0833	Cooper, J.	11.0378	Cushing, S.B.	11.0054
Clay, R.B.	3.0150	Cooper, J.C.	2.0157	Cutting, J.L.	11.0828
Clements, R.E.	9.0641	Cooper, P.W.	9.0379	Cynn, H.	11.0951
Coburn, M.D.	6.0460	Cooper, P.W.	10.0690	Dahlberg, J.	11.0266
Coffey, C.S.	7.0970	Copenhagen, A.S.	10.0586	Dallman, J.C.	10.0130
Coffey, C.S.	8.0062	Costantino, M.S.	9.1310	Damamme, G.	7.0634
Coffey, C.S.	8.0725	Couch, R.	11.0862	Damamme, G.	7.0641
Coffey, C.S.	9.0058	Courtney-Pratt, J.S.	2.0168	Dartyge, J.M.	10.0816
Coffey, C.S.	9.0897	Courtney-Pratt, J.S.	2.0547	Dave, P.R.	10.0358
Coffey, C.S.	9.1243	Covino, J.	10.0936	David, F.	4.0381
Coffey, C.S.	10.0219	Cowan, R.D.	2.0383	David, F.	5.0567
Coffey, C.S.	10.0824	Cowperthwaite, M.	4.0502	Davidova, O.N.	9.0724
Coffey, C.S.	11.0443	Cowperthwaite, M.	5.0427	Davidson, N.	2.0216
Coffey, C.S.	11.0751	Cowperthwaite, M.	6.0162	Davies, F.W.	6.0389
Cole, J.E.	7.0164	Cowperthwaite, M.	6.0231	Davies, F.W.	6.0740
Coleburn, N.L.	3.0761	Cowperthwaite, M.	6.0786	Davis, J.J.	10.0549
Coleburn, N.L.	4.0240	Cowperthwaite, M.	7.0225	Davis, J.J.	11.0214
Coleburn, N.L.	5.0523	Cowperthwaite, M.	7.0466	Davis, J.J.	11.1007
Coleburn, N.L.	5.0581	Cowperthwaite, M.	7.0498	Davis, L.L.	11.0525
Coley, G.D.	6.0290	Cowperthwaite, M.	7.1072	Davis, L.P.	7.0075
Coley, G.D.	7.0017	Cowperthwaite, M.	8.0111	Davis, W.C.	3.0469
Coley, G.D.	7.0278	Cowperthwaite, M.	8.1025	Davis, W.C.	3.0499
Coley, G.D.	8.0380	Cowperthwaite, M.	9.0089	Davis, W.C.	4.0084
Collyer, A.M.	10.0175	Cowperthwaite, M.	9.0388	Davis, W.C.	5.0003
Collyer, A.M.	11.0012	Cowperthwaite, M.	10.0656	Davis, W.C.	5.0013
Conley, P.A.	11.0758	Cowperthwaite, M.	10.0793	Davis, W.C.	5.0599
Conley, P.A.	11.0768	Cowperthwaite, M.	11.0193	Davis, W.C.	6.0637
Conner, J.	8.0262	Cowperthwaite, M.	11.0204	Davis, W.C.	6.0664
Constantinou, C.P.	10.0570	Cox, M.	7.0624	Davis, W.C.	7.0531
Cook, M.A.	2.0500	Coyne, P.J.	8.0645	Davis, W.C.	7.0958
Cook, M.A.	2.0519	Craig, B.G.	4.0084	Davis, W.C.	8.0422
Cook, M.A.	2.0733	Craig, B.G.	5.0321	Davis, W.C.	8.0785
Cook, M.A.	3.0150	Craig, B.G.	8.0228	Davis, W.C.	9.1335
Cook, M.A.	3.0184	Craig, B.G.	9.0573	Davis, W.C.	10.0369
Cook, M.D.	8.0827	Cramer, J.P.	6.0466	Davis, W.C.	11.0303
Cook, M.D.	9.1027	Crane, S.L.	9.1543	de Beaumont, P.	5.0547
Cook, M.D.	9.1441	Crane, S.L.	10.1013	de Jong, E.	10.0685

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
de Longueville, Y.	6.0105	Dienes, J.K.	11.0101	Duvall, G.E.	4.0248
de Longueville, Y.	7.0408	Dienes, J.K.	11.0111	Dyer, A.S.	5.0279
de Longueville, Y.	7.0540	Dienes, J.K.	11.0717	Dyer, A.S.	5.0291
de Longueville, Y.	7.0560	Dietzel, R.W.	6.0455	Dyer, A.S.	7.1040
de Longueville, Y.	8.0596	Dietzel, R.W.	8.0485	Dyer, A.S.	8.0211
de Longueville, Y.	9.1371	Dimas, P.	9.1076	Eadie, J.	4.0399
de Luca, L.	6.0281	Dinegar, R.H.	6.0460	Eckstein, A.	7.0721
Deal, W.E.	2.0327	Ding Jing	7.0795	Eddleman, J.C.	11.0054
Deal, W.E.	3.0386	Ding Jing	8.0083	Eden, G.	4.0573
Deal, W.E.	4.0321	Ding Jing	8.0093	Eden, G.	5.0467
Deal, W.E.	9.1543	Ding Jing	8.0440	Eden, G.	6.0477
Deal, W.E.	10.1013	Ding Jing	9.0077	Eden, G.	7.0678
Deal, W.E.	11.1145	Ding Jing	9.0252	Eden, G.	9.0831
Debruyne, M.	11.0924	Ding Jing	9.0879	Eden, G.	9.1253
Deffet, L.	4.0156	Dobratz, B.	11.1101	Edwards, D.J.	5.0413
Defourneaux, M.	5.0457	Doherty, R.M.	9.0626	Edwards, D.J.	6.0766
Dehn, J.T.	8.0602	Doherty, R.M.	9.0633	Edwards, J.C.	6.0344
Deiter, J.S.	9.0626	Dold, J.W.	9.0219	Eichler, T.V.	5.0313
Deiter, J.S.	10.0619	Dolgoborodov, A.Y.	11.0979	Eidelman, S.	6.0590
Delaney, J.E.	11.0254	Dong Haishan	9.0995	Ek, S.	6.0272
Delclos, A.	7.0560	Donguy, P.	7.0695	Ekvall, K.	10.0555
Delclos, A.	8.0902	Dorey, R.C.	7.0075	Ekvall, K.	10.0862
Delclos, A.	9.1008	Dorough, G.D.	3.0738	Ekvall, K.	11.0266
Delpuech, A.E.	7.0065	Dorough, G.D.	4.0477	Elban, W.L.	7.0843
Delpuech, A.E.	8.0847	Dorsey, T.M.	8.1139	Elban, W.L.	7.0976
Delpuech, A.E.	9.0172	Dorsey, T.M.	9.1489	Elban, W.L.	8.0645
Demol, G.	11.0309	Dorsey, T.M.	11.0279	Elban, W.L.	8.0725
Demol, G.	11.0735	Dorsey, T.M.	11.0621	Elban, W.L.	9.1260
Demske, D.	9.1131	Downs, D.S.	6.0390	Elban, W.L.	11.0443
Deneuville, P.	7.0151	Dreizler, D.R.	10.0936	Elliot, L.A.	4.0316
Deneuville, P.	7.0408	Dremin, A.N.	5.0399	Elson, R.E.	6.0466
Deneuville, P.	7.0540	Dremin, A.N.	6.0029	Engelke, R.	6.0642
Deng Quan-nong	8.0093	Dremin, A.N.	6.0143	Engelke, R.	9.0039
Derr, R.L.	7.0216	Dremin, A.N.	7.0789	Engelke, R.	9.0657
Derrien, J.C.	7.0151	Dremin, A.N.	8.0678	Engelke, R.	10.0563
Dervaux, M.	11.0707	Dremin, A.N.	9.0724	Enig, J.W.	3.0534
Desoyer, J.C.	5.0403	Dremin, A.N.	10.0704	Enig, J.W.	4.0395
DeVost, D.F.	9.1243	Dremin, A.N.	11.1017	Enig, J.W.	5.0099
Dewey, J.M.	1.0009	Drimmer, B.E.	3.0706	Enig, J.W.	6.0570
Dewey, J.M.	2.0612	Drimmer, B.E.	3.0761	Enig, J.W.	10.0637
Dey, T.N.	11.0725	Drolet, J.F.	8.0361	Enig, J.W.	11.0204
Dick, J.J.	7.0620	Du Plessis, M.P.	8.0390	Enot, F.	11.0924
Dick, J.J.	9.0683	Duff, R.E.	2.0343	Erickson, K.L.	9.1140
Dick, J.J.	11.0317	Duff, R.E.	4.0198	Erickson, K.L.	10.0340
Dick, R.D.	11.0565	Duffy, K.P.	10.0777	Erickson, K.L.	11.0127
Dickson, P.M.	9.1100	Dufort, S.	8.0847	Erickson, L.M.	7.1062
Dickson, P.M.	10.0242	Dufort, S.	9.1271	Erickson, L.M.	8.0003
Dickson, P.M.	11.0325	Dunand, M.	9.0933	Erickson, L.M.	8.0951
Dickson, P.M.	11.0606	Dunnett, J.D.	11.0012	Erickson, L.M.	8.1045
Dickson, P.M.	11.0781	Dunnett, J.D.	11.1065	Erickson, L.M.	9.0112

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Erikson, T.A.	3.0024	Field, J.E.	10.0242	Foster Jr. J.C.	11.0336
Erkman, J.O.	3.0253	Field, J.E.	10.0525	Foster, J.	8.0228
Erkman, J.O.	4.0277	Field, J.E.	10.0909	Fowles, G.R.	4.0213
Erkman, J.O.	5.0477	Field, J.E.	11.0066	Frank, A.M.	9.0641
Erkman, J.O.	6.0426	Fife, T.T.	11.0054	Frankel, M.J.	7.0523
Erkman, J.O.	6.0766	Fifer, R.A.	7.0164	Frankel, M.J.	7.0970
Erlich, D.C.	11.0632	Filler, A.S.	2.0733	Freund, H.V.	6.0521
Ermolaev, B.S.	6.0250	Filler, W.S.	6.0777	Frey, R.B.	6.0011
Ermolaev, B.S.	7.0435	Filler, W.S.	8.0207	Frey, R.B.	6.0325
Ermolaev, B.S.	10.0749	Finger, M.	4.0003	Frey, R.B.	7.0036
Ershov, A.P.	11.0686	Finger, M.	5.0137	Frey, R.B.	7.0247
Ershov, A.P.	11.0904	Finger, M.	5.0503	Frey, R.B.	7.1048
Erskine, D.J.	9.0670	Finger, M.	6.0710	Frey, R.B.	8.0068
Ervin, L.H.	5.0251	Finger, M.	6.0729	Frey, R.B.	8.0318
Ervin, L.H.	6.0003	Finger, M.	7.0940	Frey, R.B.	9.0003
Espinoza, C.J.	11.0054	Finger, M.	8.1018	Frey, R.B.	9.1404
Evans, M.W.	4.0359	Finnegan, S.	11.1007	Frey, R.B.	10.0069
Evans, M.W.	5.0089	Finnegan, S.A.	10.0320	Fried, E.	11.0573
Eyring, H.	1.0093	Flaugh, H.L.	7.0566	Fried, L.E.	10.0003
Fagan, P.	2.0151	Fleming, K.A.	8.1035	Fried, L.E.	11.0490
Fahrenbruch, A.L.	4.0213	Fleming, K.J.	10.0351	Fried, L.E.	11.0889
Fair, H.D.	6.0390	Flis, W.J.	10.1003	Fried, L.E.	11.0998
Fanget, A.	9.1047	Flores, P.A.	11.0054	Fritz, J.N.	5.0447
Farag, S.A.	6.0502	Foan, G.C.W.	7.0278	Fritz, J.N.	11.0969
Farley, W.E.	9.1131	Foan, G.C.W.	9.0123	Fritz, J.N.	11.1058
Fauquignon, C.	4.0039	Foltz, M.F.	10.0181	Fry, H.A.	10.0563
Fauquignon, C.	4.0381	Foltz, M.F.	10.0579	Fu Xinghai	8.0089
Fauquignon, C.	5.0361	Forbes, J.W.	7.0308	Fu Xinghai	9.1360
Fauquignon, C.	6.0105	Forbes, J.W.	8.0725	Fugard, C.S	11.0606
Fedorov, A.V.	11.0231	Forbes, J.W.	9.0806	Fugard, C.S	11.0781
Fellows, J.	11.0272	Forbes, J.W.	9.0897	Fugard, C.S.	11.0325
Fellows, J.	11.0897	Forbes, J.W.	9.1235	Fujiwara, S.	5.0267
Feng, H.	10.0608	Forbes, J.W.	10.0063	Fujiwara, S.	6.0133
Feng, K.K.	7.0343	Forbes, J.W.	10.0347	Fujiwara, S.	6.0450
Feng, K.K.	8.0805	Forbes, J.W.	10.0731	Fujiwara, S.	8.0993
Ferm, E.N.	9.1427	Forbes, J.W.	11.0145	Fujiwara, S.	9.0621
Ferm, E.N.	10.0078	Forbes, K.	8.0228	Fukatsu, Y.	9.0640
Ferm, E.N.	10.0104	Forest, C.A.	7.0234	Fuller, P.J.A.	4.0290
Ferm, E.N.	11.0054	Forest, C.A.	7.0479	Funk, A.G.	3.0184
Fickett, W.	2.0383	Forest, C.A.	8.0052	Funk, D.J.	11.0045
Fickett, W.	5.0003	Forest, C.A.	9.0683	Funk, D.J.	11.0325
Fickett, W.	7.0448	Forest, C.A.	11.0045	Funk, D.J.	11.0781
Fickett, W.	9.0730	Forest, C.A.	11.0332	Fyfe, R.R.	6.0466
Field, J.E.	5.0301	Forest, C.A.	11.0969	Gallegos, R.A.	11.0054
Field, J.E.	7.0024	Forohar, F.	10.0358	Galloway, M.A.	11.0336
Field, J.E.	8.0635	Fortov, V.E.	9.0050	Gamezo, V.N.	11.0030
Field, J.E.	9.0869	Fortov, V.E.	10.0058	Gao, Wen	11.0036
Field, J.E.	9.0886	Fortova, T.N.	9.0050	Gao, Wen	11.1023
Field, J.E.	9.1100	Fosse, C.	4.0156	Garcia, F.	11.0145
Field, J.E.	9.1276	Foster Jr. J.C.	11.0286	Garcia, F.	11.0828

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Gardner, S.D.	4.0154	Gora, T.	6.0390	Gunger, M.	10.0928
Garza, R.G.	11.0093	Gordon, W.E.	4.0179	Gunger, M.E.	11.0336
Garza, R.G.	11.0459	Goutelle, J.C.	11.0353	Gunn, S.R.	4.0167
Gaudin, C.	7.0540	Grady, D.E.	11.1049	Guo Yuxian	8.1011
Gaudin, C.	7.0560	Graham, K.J.	9.1295	Guo Yuxian	9.0554
Geiger, W.	6.0521	Graham, R.A.	4.0222	Gupta, Y.M.	10.0536
Gey, W.A.	3.0813	Graham, R.A.	5.0369	Gupta, Y.M.	10.0793
Gibb, A.W.	8.0409	Graham, R.A.	9.1529	Gupta, Y.M.	11.0521
Gibb, A.W.	9.0853	Graham, R.A.	10.0166	Guri, G.	9.0506
Gibb, A.W.	9.1364	Gray III, G.T.	11.0076	Gurton, O.A.J.	2.0582
Gibbons, G.	8.0294	Gray, N.T.	11.0054	Gustavsen, R.L.	10.0166
Gibson, F.C.	1.0012	Green, L.G.	4.0086	Gustavsen, R.L.	11.0451
Gibson, F.C.	2.0157	Green, L.G.	4.0477	Gustavsen, R.L.	11.0821
Gibson, F.C.	2.0281	Green, L.G.	6.0755	Gustavson, P.K.	10.0063
Gibson, F.C.	3.0436	Green, L.G.	7.0256	Gustavson, P.K.	11.1082
Gibson, F.C.	4.0117	Green, L.G.	7.0273	Guy, L.R.	7.0107
Gibson, F.C.	4.0412	Green, L.G.	7.0887	Gvishi, M.	8.1126
Giddings, J.C.	2.0404	Green, L.G.	8.0284	Gyton, R.	6.0625
Gilardi, R.	10.0358	Green, L.G.	8.0587	Haberman, K.S.	11.0111
Gilkerson, W.R.	2.0216	Green, L.G.	9.0670	Hackett, A.	8.0187
Gilland, H.L.	11.0286	Green, L.G.	9.0701	Haefele, B.	7.0721
Giltner, S.G.	10.0918	Green, L.G.	10.0786	Hagan, J.T.	7.0735
Gimenez, P.	8.0596	Green, N.J.B.	9.1193	Halleck, P.M.	6.020
Gimenez, P.	9.1371	Greifer, B.	2.0281	Hallouin, M.	5.0403
Gimenez, P.	10.0113	Greiner, N.R.	8.0715	Hallquist, J.O.	7.0488
Gimenez, P.	10.0276	Greiner, N.R.	9.0953	Hallquist, J.O.	8.0951
Gimenez, P.	10.0898	Greiner, N.R.	9.1170	Halpin, W.J.	4.0222
Ginsberg, M.J.	7.0385	Greiner, N.R.	10.0563	Hamaide, S.	10.0113
Ginsberg, M.J.	9.0537	Grief, D.	8.0380	Hammant, B.	10.0936
Gittings, E.F.	4.0373	Griffiths, N.	4.0462	Hampton, L.D.	2.0620
Glancy, B.C.	9.0341	Grixti, M.A.	10.0089	Han Chengbang	9.0947
Glancy, B.C.	9.1260	Grocock, J.M.	2.0529	Han Chengbung	8.0567
Glenn, J.G.	9.1284	Groothuizen, T.M.	6.0299	Han, Lishi	11.1023
Glenn, J.G.	10.0928	Gross, R.J.	11.0852	Hannaford, C.E.	9.1076
Glenn, J.G.	11.0336	Gross, S.B.	7.0843	Hantel, L.W.	5.0599
Glover, D.J.	8.0725	Groux, J.	8.0431	Hardesty, D.R.	6.0047
Gogulya, M.F.	10.0542	Groux, J.	9.1217	Hardy, J.R.	7.0777
Gogulya, M.F.	11.0979	Groux, J.	10.0113	Hardy, J.R.	8.0864
Gohar, P.	9.1271	Groux, J.	11.0384	Harlan, J.G.	7.0930
Gois, J.C.	10.0758	Gruzdkov, Y.A.	11.0521	Hart, S.	4.0047
Gois, J.C.	11.0679	Guengant, Y.	11.0701	Hartley, J.E.	4.0538
Gold, V.M.	10.0433	Guery, J.F.	10.0709	Harvalik, Z.V.	3.0842
Goldrein, H.T.	10.0525	Guery, J.F.	10.0898	Haselman Jr., L.C.	10.0425
Goldrein, H.T.	11.0066	Guidry, M.	6.0710	Haskins, P.J.	8.0211
Goldstein, S.	7.1016	Guirguis, R.	11.0221	Haskins, P.J.	8.0827
Goldstein, S.	8.0979	Guirguis, R.	11.0344	Haskins, P.J.	9.1027
Goliger, J.	6.0195	Guirguis, R.H.	6.0502	Haskins, P.J.	9.1441
Gomez, J.	11.0054	Guirguis, R.H.	10.0027	Haskins, P.J.	10.0089
Gonthier, K.A.	11.0153	Guirguis, R.H.	10.0675	Haskins, P.J.	10.0148
Goodale, T.C.	6.0231	Gunger, M.	8.0228	Haskins, P.J.	10.0870

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Haskins, P.J.	11.0272	Heuze, O.	9.0933	Howe, P.M.	7.1055
Haskins, P.J.	11.0581	Heybey, W.H.	2.0295	Howe, P.M.	8.0294
Haskins, P.J.	11.0589	Hicks, A.N.	6.0551	Howe, P.M.	8.1150
Haskins, P.J.	11.0897	Hikita, T.	8.0558	Howe, P.M.	11.0556
Hasman, E.	8.1126	Hikita, T.	9.0939	Howe, P.M.	11.0670
Hatt, D.J.	7.0352	Hill, L. G.	11.0021	Howe, P.M.	11.0768
Hattori, K.	9.0640	Hill, L. G.	11.0045	Hrdina, D.J.	9.0972
Hauver, G.E.	3.0241	Hill, L. G.	11.0362	Hsieh, T.	9.0329
Hauver, G.E.	5.0387	Hill, L. G.	11.0451	Hu Dong	8.0093
Hawkins, A.	5.0034	Hill, L. G.	11.1029	Huan Shi	9.0077
Hawkins, S.J.	7.0759	Hillyer, R.M.	4.0449	Huan Shi	9.0252
Hay, J.E.	4.0412	Hixson, R.S.	11.0317	Huang Lihong	9.0947
Hay, J.E.	5.0081	Hixson, R.S.	11.1058	Huang Zhengping	8.0083
Hay, J.E.	5.0559	Ho, S.Y.	9.1052	Huang Zhengping	8.0440
Hay, J.E.	6.0115	Ho, S.Y.	10.0094	Huang, Y.K.	7.1055
Hay, J.E.	7.0373	Ho, S.Y.	11.0119	Huang, Y.K.	8.0307
Hayes, B.	3.0139	Hobbs, M. L.	10.0409	Huang, Y.K.	8.0943
Hayes, B.	4.0595	Hobbs, M.L.	11.0127	Hubbard, P.J.	7.1040
Hayes, B.	5.0447	Hobbs, M.L.	11.0533	Hubbard, P.J.	8.0211
Hayes, B.	6.0710	Hobbs, M.L.	11.0852	Hubbard, P.J.	8.0262
Hayes, B.	6.0729	Hobbs, M.L.	11.0958	Hubbard, P.J.	9.1322
Hayes, B.	7.1029	Hodgin, R.L.	11.0828	Hudgins, H.E.	7.0175
Hayes, D.B.	6.0076	Hofer, W.W.	6.0755	Hudson III, F.E.,	10.0936
Hayes, D.B.	6.0668	Hoffman, D.M.	11.0828	Hudson III, L.C.	10.0476
Hayes, D.B.	6.0748	Hoffsommer, J.C.	8.0725	Huiling, L.	8.0440
He Xianchu	8.0567	Hogan, G.E.	11.0054	Hull, J.A.	2.0136
He, Zhi	11.1023	Holland, T.E.	2.0454	Hull, L.H.	11.0336
Heimdahl, O.E.R.	10.0955	Holmberg, R.	6.0540	Hull, L.M.	10.0011
Held, M.	6.0225	Holmes, N.	11.0951	Hull, L.M.	10.0078
Held, M.	7.0751	Holmes, N.C.	9.0190	Humphrey, J.	7.0425
Held, M.	8.0330	Holmes, V.H.	11.0054	Huntley, J.M.	9.0886
Held, M.	9.1416	Holmes, W.I.	5.0279	Huntley, J.M.	10.0525
Helm, F.H.	6.0710	Homsy, J.	11.0239	Hurwitz, H.	3.0205
Helm, F.H.	6.0729	Honcia, G.	6.0521	Hurwitz, H.	6.0528
Helm, F.H.	7.0940	Honodel, C.	7.0425	Hutchinson, C.D.	8.0211
Helm, F.H.	9.0025	Hooper, G.	7.0759	Hutchinson, C.D.	8.1105
Helm, F.H.	10.0215	Hooton, I.E.	11.0664	Hutchinson, C.D.	9.0123
Hemsing, W.F.	8.0468	Horie, Y.	4.0248	Idar, D.J.	11.0045
Henson, B.F.	11.0325	Hornig, H.C.	4.0003	Idar, D.J.	11.0076
Henson, B.F.	11.0606	Hornig, H.C.	5.0137	Idar, D.J.	11.0101
Henson, B.F.	11.0781	Hornig, H.C.	5.0503	Idar, D.J.	11.0781
Hermes, R.	9.1170	Hornig, H.C.	6.0710	Igel, E.A.	2.0439
Hershkowitz, J.	4.0168	Hoskin, N.E.	4.0014	Igel, E.A.	7.0865
Hershkowitz, J.	6.0439	Hoskin, N.E.	5.0501	Iida, M.	8.0993
Hershkowitz, J.	7.0175	Hoskin, N.E.	7.0811	Iida, M.	9.0621
Hershkowitz, J.	7.0898	Houston, E.	2.0343	Imkhovik, N.A.	11.0231
Hershkowitz, J.	7.0914	Howard, W.M.	11.0951	Ingram, G.E.	5.0369
Hess, W.R.	3.0042	Howard, W.M.	11.0998	Ishiokawa, N.	9.0621
Heuze, O.	8.0762	Howe, P.M.	6.0011	Isler, J.	10.0113
Heuze, O.	9.0925	Howe, P.M.	7.1048	Iwata, L.	9.1084

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Jackson, R.K.	6.0653	Jones, H.D.	9.0461	Kennedy, J.E.	11.0362
Jackson, R.K.	6.0755	Jones, H.D.	10.0449	Kennedy, J.E.	6.0 47
Jacobs, S.J.	1.0052	Jones, H.D.	11.1082	Kennedy, J.E.	6.0 68
Jacobs, S.J.	2.0358	Joyner, T.B.	3.0050	Kennedy, M.	9.1351
Jacobs, S.J.	3.0784	Jun Wung Lee	9.0471	Kenney, I.	9.1019
Jacobs, S.J.	5.0413	Jung, R.G.	5.0191	Kenney, J.	9.1019
Jacobs, S.J.	6.0305	Jungst, R.G.	9.1510	Kerihuel, M.T.	9.0506
Jacobs, S.J.	7.0970	Junk, N.M.	4.0092	Kerley, G.I.	8.0540
Jacques, L.	5.0457	Kahara, M.	6.0710	Kerley, G.I.	9.0443
Jacquesson, J.	4.0627	Kamal, M.M.	6.0502	Kerley, G.I.	11.0362
Jacquesson, J.	5.0403	Kamegai, M.	5.0477	Kerr, I.D.	9.1351
Jacquesson, J.	6.0151	Kamlet, M.J.	3.0671	Kershner, J.D.	7.0479
Jaffe, I.	3.0584	Kamlet, M.J.	6.0305	Kershner, J.D.	9.0693
James, E.	2.0119	Kamlet, M.J.	6.0312	Kershner, J.D.	11.0717
James, E.	3.0327	Kamlet, M.J.	7.0084	Kershner, J.D.	8.0 42
James, E.	4.0086	Kamlet, M.J.	7.0952	Keyes, R.T.	2.0733
James, E.	7.0256	Kamm, J.R.	11.0725	Keyes, R.T.	3.0150
James, E.	7.0887	Kanel, G.I.	9.0050	Keyes, R.T.	3.0202
James, E.	8.0284	Kang Shufang	9.0947	Keyes, R.T.	3.0357
James, H.R.	9.1441	Kang Shufong	8.0567	Khasainov, B.A.	6.0250
James, H.R.	10.0089	Kang, J.	9.0906	Khasainov, B.A.	7.0435
James, H.R.	11.0581	Kantrowitz, A.	1.0079	Khasainov, B.A.	10.0749
James, K.J.	11.0917	Kapila, A.K.	9.0219	Khrapovsky, V.E.	6.0250
James, R.M.	6.0489	Karakhanov, S.M.	7.0362	Kim, K.	7.0843
Jameson, R.L.	3.0120	Karakhanov, S.M.	8.0143	Kim, K.	8.0926
Jameson, R.L.	4.0241	Karakhanov, S.M.	8.0196	Kim, K.	9.0329
Jameson, R.L.	5.0034	Karlsson, S.	11.0801	Kim, K.	9.0593
Jaramillo, S.A.	11.0054	Karo, A.M.	7.0777	Kinaga, K.	3.0813
Jensen, R.C.	7.0299	Karo, A.M.	8.0864	Kincaid, J.	7.0887
Jerberyd, L.	7.0043	Kassel, C.	7.0965	Kineke, J.H.	5.0533
Jia Quansheng	9.0816	Kato, Y.	6.0124	King, A.J.	6.0258
Jiao Qinjie	8.0083	Kato, Y.	7.0583	King, N.S.P.	11.0054
Jing Fu-Qian	7.0826	Kato, Y.	7.0768	Kinney, J.H.	9.0868
Johansson, C.H.	4.0435	Kato, Y.	8.0558	Kipp, M.E.	11.0788
Johnson, A.M.	10.0175	Kato, Y.	9.0640	Kipp, M.E.	7.0394
Johnson, C.B.	7.1062	Kato, Y.	9.0939	Kipp, M.E.	7.0608
Johnson, C.D.	5.0047	Kato, Y.	11.0466	Kipp, M.E.	8.0035
Johnson, E.G.	4.0584	Kawamoto, J.D.	11.0170	Kipp, M.E.	8.0274
Johnson, J.D.	8.0531	Kazakov, A.T.	11.0248	Kipp, M.E.	9.0209
Johnson, J.D.	9.0417	Keefe, R.L.	7.0143	Kipp, M.E.	9.1510
Johnson, J.N.	7.1016	Keefe, R.L.	7.0265	Kirby, I.J.	8.0176
Johnson, J.N.	8.0052	Kegler, W.	4.0496	Kirby, I.J.	8.0187
Johnson, J.N.	11.0003	Kendrew, E.L.	3.0202	Kirkham, J.	3.0001
Johnson, J.O.	6.0020	Kendrew, E.L.	3.0574	Kirkwood, J.G.	1.0071
Jones, A.G.	9.0123	Kennedy, D.L.	9.1224	Kirkwood, J.G.	1.0107
Jones, D.A.	10.0665	Kennedy, D.L.	10.0665	Kirkwood, J.G.	2.0312
Jones, E.	2.0571	Kennedy, D.L.	11.0181	Kirkwood, J.G.	2.0424
Jones, E.	2.0601	Kennedy, J.E.	4.0449	Kistiakowsky, G.B.	1.0045
Jones, E.C.	7.0050	Kennedy, J.E.	5.0435	Kistiakowsky, G.B.	1.0105
Jones, H.D.	7.0716	Kennedy, J.E.	6.0379	Kistiakowsky, G.B.	2.0187

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Kistiakowsky, G.B.	2.0198	Kusakabe, M.	5.0267	Lee, E.L.	8.0284
Klee, C.	7.0336	Kusakabe, M.	6.0133	Lee, E.L.	8.0587
Kleinhanss, H.R.	9.0066	Kusakabe, M.	6.0450	Lee, E.L.	8.0613
Klimenko, V.Yu.	7.0789	Kusakabe, M.	8.0993	Lee, E.L.	8.0914
Klimenko, V.Yu.	8.0678	Kwak, D.	5.0119	Lee, E.L.	9.0280
Klimenko, V.Yu.	9.0724	Kydd, P.H.	2.0187	Lee, E.L.	10.0963
Kneib, J.-M.	10.0043	Kyselka, C.	4.0404	Lee, E.L.	11.1038
Knudson, J.N.	11.0054	Lackner, K.S.	10.0019	Lee, J.	9.0573
Kober, E.M.	9.1185	Lambert, P.	11.0309	Lee, J.	10.0515
Kober, E.M.	10.0586	Lambert, R.R.	11.1038	Lee, K.-Y.	11.0362
Kodde, H.H.	9.0560	Lambourn, B.D.	4.0052	Lee, L.M.	7.0416
Kolodney, K.	9.1084	Lambourn, B.D.	4.0142	Lee, L.M.	7.0865
Kondrikov, B.N.	11.0030	Lambourn, B.D.	4.0538	Lee, L.M.	9.1529
Kondrikov, B.N.	11.0085	Lambourn, B.D.	5.0501	Lee, P.R.	7.1040
Kondrikov, B.N.	11.0135	Lambourn, B.D.	6.0477	Lee, R.J.	9.0396
Kondrikov, B.N.	11.0248	Lambourn, B.D.	6.0489	Lee, R.J.	10.0936
Kooker, D.E.	7.0198	Lambourn, B.D.	6.0561	Lee, R.J.	11.0371
Kooker, D.E.	9.0306	Lambourn, B.D.	6.0625	Lee, R.J.	11.0565
Kornhauser, M.	7.0834	Lambourn, B.D.	7.0811	Lee, R.S.	6.0653
Kornhauser, M.	9.1451	Lambourn, B.D.	8.0778	Lee, R.S.	6.0755
Korotkov, A.I.	6.0250	Lambourn, B.D.	9.0784	Lee, R.S.	7.0425
Korotkov, A.I.	7.0435	Lambourn, B.D.	10.0386	Lee, R.S.	7.0466
Koshi, M.	10.0441	Lambrakos, S.G.	9.0713	Lee, R.S.	7.1062
Kosireva, I.Y.	8.0678	Langlet, A.	10.0862	Lee, R.S.	8.0003
Kot, C.A.	5.0313	Langlet, A.	11.0807	Lee, R.S.	8.1045
Kot, C.A.	6.0336	Lanzerotti, M.Y.D.	8.0243	Lee, R.S.	9.0798
Kovacic, S.M.	7.0186	Lanzerotti, M.Y.D.	9.0918	Lee, R.S.	11.0828
Kozak, G.D.	11.0085	Lanzerotti, M.Y.D.	10.0190	Leeuw, M.W.	8.0710
Krall, A.D.	9.0341	Larson, T.E.	9.1076	Lefrançois, A.	11.0989
Kramer, P.E.	6.0755	Lascaux, P.	10.0043	Legrand, J.	5.0567
Kramer, P.E.	7.0425	Lashkov, V.N.	11.0231	Legrand, N.	7.0695
Kravtsov, V.V.	6.0036	Launila, O.	11.0266	Leibundgut, F.	8.0399
Kreknin, D.A.	11.0231	Laval, F.	10.0885	Leiper, G.A.	8.0176
Kretschmer, A.	10.0876	Lawn, H.R.	9.0123	Leiper, G.A.	8.0187
Krier, H.	8.0962	Leal, B.	11.0353	Leiper, G.A.	9.0197
Kroh, M.	8.1131	Lecume, S.	10.0898	Leiper, G.A.	9.1224
Kuk, J.H.	10.0515	Lecume, S.	11.0707	Leiper, G.A.	10.0267
Kumar, M.	7.0186	Lederer, R.A.	6.0668	Leiper, G.A.	10.0856
Kuo, K.K.	7.0186	Lee, C.G.	10.0628	Leiper, G.A.	11.0293
Kurrle, J.E.	5.0503	Lee, C.G.	10.0786	Leiper, G.A.	11.0378
Kury, J.W.	3.0738	Lee, E.L.	4.0003	Lemar, E.R.	9.0806
Kury, J.W.	4.0003	Lee, E.L.	5.0137	Lemar, E.R.	10.0731
Kury, J.W.	5.0137	Lee, E.L.	5.0331	Leone, Capt.N.	4.0404
Kury, J.W.	8.0613	Lee, E.L.	5.0503	Leone, M.G.	11.0475
Kury, J.W.	8.0902	Lee, E.L.	6.0214	Leopold, H.S.	5.0339
Kury, J.W.	9.0025	Lee, E.L.	6.0710	Lepie, A.H.	9.1295
Kury, J.W.	9.1378	Lee, E.L.	6.0729	Leroy, M.	8.0815
Kury, J.W.	10.0215	Lee, E.L.	7.0256	Leroy, M.	9.0506
Kury, J.W.	10.0628	Lee, E.L.	7.0517	Leroy, M.	10.0507
Kusabov, A.S.	5.0105	Lee, E.L.	7.0887	Leslie, W.B.	6.0455

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Lethaby, J.W.	4.0014	Lungenstrass, F.	9.0066	Matsui, H.	8.0168
Lethaby, J.W.	5.0573	Lyman, O.R.	8.1080	Matsui, H.	10.0441
Leuret, F.	11.0693	Mace, J.L.	11.0045	Maurin, C.	7.0151
Lewis, A.L.	11.0066	Macek, A.	3.0606	Mautz, C.W.	2.0478
Lewis, B.	1.0043	Macintyre, I.B.	8.0318	Mazzella, A.	5.0351
Leygonie, J.	5.0547	Mader, C.L.	3.0725	McAfee, J.M.	9.0265
Li Huiling	8.0440	Mader, C.L.	4.0394	McAfee, J.M.	10.0485
Li, Qingzhong	11.0036	Mader, C.L.	5.0177	McAfee, J.M.	10.0716
Li, Qingzhong	11.1023	Mader, C.L.	6.0405	McAfee, J.M.	11.0391
Liang Yunming	8.0083	Mader, C.L.	7.0479	McCahan, S.	10.0596
Liang, D.	10.0979	Mader, C.L.	7.0669	McCallen, R.C.	11.0862
Liang, D.	10.1003	Mader, C.L.	8.0042	McCandless, P.	9.0190
Libersky, L.D.	10.0199	Mader, C.L.	8.0979	McClelland, J.B.	11.0054
Liddiard, T.P.	3.0706	Mader, C.L.	9.0693	McDonnel, J.L.	4.0003
Liddiard, T.P.	3.0761	Maiden, D.E.	11.0889	McEachern, D.M.	4.0126
Liddiard, T.P.	4.0214	Maienschein, J.L.	10.0139	McFadden, D.L.	8.1080
Liddiard, T.P.	4.0240	Maienschein, J.L.	11.0872	McFadden, D.L.	9.1460
Liddiard, T.P.	4.0487	Maienschein, J.L.	11.1038	McGee, B.C.	11.0958
Liddiard, T.P.	7.0308	Mala, J.	7.0540	McGuire, E.M.	11.0828
Liddiard, T.P.	7.0970	Mala, J.	7.0560	McGuire, E.M.	11.0889
Liddiard, T.P.	8.0725	Mala, J.	8.0625	McGuire, R.R.	6.0214
Liddiard, T.P.	9.1235	Mala, J.	10.0276	McGuire, R.R.	6.0710
Liddiard, T.P.	10.0347	Mala, J.	10.0816	McGuire, R.R.	7.0056
Liddiard, T.P.	10.0731	Mala, J.	10.0898	McGuire, R.R.	7.0940
Lin, C.F.	11.0170	Mala, J.	11.0384	McGuire, R.R.	8.0003
Lind, C.D.	9.0566	Mala, J.	11.0707	McGuire, R.R.	8.1018
Lindfors, A.J.	10.0955	Malin, M.E.	2.0136	McKenney, R.L.	10.0608
Lindfors, A.J.	11.1007	Malin, M.E.	2.0454	McKeown, R.	11.0344
Ling, R.C.	3.0042	Malin, M.E.	2.0478	McKinney, T.L.	9.1037
Listh, O.	6.0204	Mal'kov, I.Yu.	9.0407	McKnight, C.E.	3.0635
Liu, Wenhan	11.0036	Mallory, H.D.	2.0358	McLaren, A.C.	2.0561
Lobanov, V.F.	7.0362	Malyrenko, S.I.	9.0050	McMillan, C.	8.0613
Lobanov, V.F.	8.0196	Mang, J.T.	11.0556	Medvedev, D.A.	11.0904
Lobanov, V.N.	11.0231	Manson, N.	5.0041	Mehlman, M.H.	8.0864
Loboiko, B.G.	11.0836	Margolis, S.B.	11.0434	Melani, G.	6.0325
London, R.K.	11.0054	Margolis, S.B.	11.0533	Mellor, A.M.	10.0777
Lopez, R.P.	11.0054	Mark, P.	6.0390	Mendes, R.	10.0758
Louie, N.A.	6.0682	Marlow, W.R.	4.0426	Mendes, R.	11.0399
Loupias, C.	9.1047	Marlow, W.R.	9.1253	Mendes, R.	11.0679
Lownds, C.M.	8.0390	Marshall, E.F.	5.0321	Menichelli, V.J.	6.0612
Lu, B.C.-Y.	7.0343	Marshall, W.W.	5.0185	Menikoff, R.	10.0019
Lu, B.C.-Y.	8.0805	Marshall, W.W.	5.0247	Menikoff, R.	11.0153
Lu, P.	8.0460	Martinez, A.R.	11.0317	Menil, A.	7.1010
Lubyatinsky, S.N.	11.0836	Mason, C.M.	1.0012	Merrill, C.I.	11.1038
Lucht, R.A.	11.0101	Mason, C.M.	2.0157	Merrill, F.E.	11.0054
Ludwig, D.	6.0225	Mason, C.M.	2.0281	Metzner, A.P.	10.0219
Ludwig, D.	7.0336	Mason, C.M.	3.0436	Meulenbrugge, J.J.	9.0083
Luebcke, P.E.	10.0242	Massoni, J.	11.0735	Michailjuk, K.M.	7.0789
Lundborg, N.	4.0176	Matheson, E.R.	11.0162	Michaud, C.	7.0065
Lundborg, N.	4.0432	Matheson, E.R.	11.0632	Michaud, C.	7.0965

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Middleditch, J.	11.0101	Myers, T.F.	7.0914	Ostmark, H.	8.0473
Middleditch, J.	11.0111	Naiman, E.	8.0460	Ostmark, H.	9.0162
Migault, A.	4.0627	Nakayama, Y.	9.0621	Ostmark, H.	9.1151
Miller, J.C.	11.0127	Namenson, A.I.	7.0050	Ostmark, H.	10.0555
Miller, P.J.	9.0341	Nanut, V.	9.0098	Östmark, H.	10.0862
Miller, P.J.	9.0498	Napadensky, H.S.	3.0396	Østmark, H.	11.0266
Miller, P.J.	10.0675	Napadensky, H.S.	3.0420	Østmark, H.	11.0801
Miller, P.J.	11.0214	Napadensky, H.S.	4.0473	Østmark, H.	11.0807
Miller, P.J.	11.1007	Napadensky, H.S.	5.0313	Otani, G.	9.0190
Miller, S.	9.1131	Napadensky, H.S.	6.0336	Otero, I.	11.0862
Mishra, I.B.	9.1084	Naud, D.L.	11.0525	Ouyang Denghuan	9.0142
Missonier, M.	7.0641	Neal, T.R.	6.0602	Owens, F.J.	8.0742
Mitchell, A.	8.0587	Needham, C.E.	5.0487	Oxley, J.	10.0608
Mitchell, A.R.	11.0828	Nelson, R.A.	11.0391	Pace, M.D.	8.0734
Mitchell, D.E.	6.0748	Ngo, T.A.	11.0162	Pace, M.D.	9.0987
Miyake, A.	9.0560	Ni, A.L.	10.0058	Pagoria, P.F.	11.0828
Moen, I.O.	9.1364	Nicholls, J.A.	2.0266	Paisley, D.L.	9.1110
Mohan, V.K.	7.0373	Nichols III, A.L.	11.0599	Palmer, S.J.P.	8.0635
Mohan, V.K.	9.1276	Nichols III, A.L.	11.0862	Palmer, S.J.P.	9.0886
Mohler, J.H.	7.0865	Nichols III, A.L.	11.1038	Palmer, S.J.P.	10.0525
Moniz, W.B.	8.0734	Nicollet, M.	10.0507	Palmer, S.J.P.	11.0066
Monteagudo, P.	7.0151	Nidick, E.J.	6.0755	Pandow, M.L.	4.0096
Moore, D.B.	3.0 88	Nikowitsch, P.	6.0225	Pandow, M.L.	4.0102
Moore, D.S.	9.0180	Nikowitsch, P.	7.0751	Pangilinan, G.I.	10.0536
Moore, L.M.	9.1529	Nilsson, H.	9.0162	Pangilinan, G.I.	11.0847
Moore, P.W.J.	6.0489	Nilsson, H.	9.1151	Parker, N.L.	6.0653
Morgan, G.L.	11.0045	Nunziato, J.W.	6.0047	Parker, N.L.	7.1062
Mori, N.	8.0558	Nunziato, J.W.	7.0394	Parker, N.L.	8.0613
Mori, N.	9.0640	Nunziato, J.W.	7.0608	Parlin, R.B.	1.0093
Mori, N.	9.0939	Nunziato, J.W.	9.0293	Parlin, R.B.	2.0404
Moritani, A.	8.0168	O'Brien, J.F.	4.0239	Parry, M.A.	9.0886
Morley, K.B.	11.0054	Ockert, K.F.	3.0822	Parry, M.A.	9.1100
Morris, C.E.	6.0396	Ockert, K.F.	4.0096	Parsons, G.H.	9.1284
Morris, C.L.	11.0054	Ockert, K.F.	4.0102	Partom, Y.	7.0506
Morrison, R.B.	2.0266	Oeconomos, J.N.	10.0050	Partom, Y.	11.0909
Morvan, J.	5.0429	Olinger, B.	6.0700	Partridge, W.S.	2.0733
Mottet, A.L.	5.0067	Olinger, B.	10.0766	Pasman, H.J.	6.0299
Moulard, H.	6.0105	Olsen, E.M.	11.0170	Pastine, D.J.	6.0305
Moulard, H.	7.0316	Olsen, E.M.	11.0632	Pastine, D.J.	7.0523
Moulard, H.	8.0902	Oppenheim, A.K.	5.0119	Pastine, D.J.	11.0204
Moulard, H.	9.0018	Oppenheim, A.K.	6.0502	Pastine, D.J.	11.1088
Mulford, R.N.	10.0459	Oran, E.S.	9.0713	Paszek, J.	3.0520
Muller, G.M.	3.0 88	Orlow, T.	3.0226	Paul, S.	7.0686
Munson, D.E.	4.0295	Ornellas, D.L.	4.0003	Pauley, D.J.	10.0104
Murata, K.	11.0466	Ornellas, D.L.	4.0167	Pazuchanics, P.D.	11.0054
Murphy, M.J.	9.0525	Ornellas, D.L.	6.0214	Pearson, J.C.	4.0289
Murphy, M.J.	10.0963	Ornellas, D.L.	7.0940	Peek, H.M.	2.0231
Murphy, M.J.	11.0889	Ornellas, D.L.	9.1162	Pelletier, P.	8.0361
Murray, S.B.	10.0294	Ornellas, D.L.	9.1310	Peng Guoshu	8.1011
Murry, W.L.	4.0555	Ornellas, D.L.	10.0628	Penn, L.	6.0729

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Persson, A.	7.0043	Plotard, J.P.	10.0724	Ramsay, J.B.	7.0531
Persson, A.	8.0985	Plute, E.	11.0428	Ramsay, J.B.	7.0566
Persson, A.	10.0741	Politzer, P.	9.0566	Ramsay, J.B.	8.0372
Persson, G.	6.0414	Pope, P.H.	8.0635	Ramsay, J.B.	9.0265
Persson, P.-A.	4.0602	Popolato, A.	4.0233	Ramsay, J.B.	9.0537
Persson, P.-A.	5.0115	Popolato, A.	7.0566	Ramsay, J.B.	9.1427
Persson, P.-A.	5.0153	Potau, J.	4.0381	Ramsay, J.B.	9.1543
Persson, P.-A.	6.0414	Poulard, S.	7.0965	Ramsay, J.B.	10.0802
Persson, P.-A.	8.0985	Powers, P.S.	9.1084	Ramsay, J.B.	10.1013
Persson, P.-A.	9.0545	Pratt, T.H.	4.0102	Ramsay, J.B.	11.1145
Persson, P.-A.	9.0573	Presles, H.N.	7.0583	Randall, R.R.	5.0067
Persson, P.-A.	10.0199	Presles, H.N.	8.0431	Razorenov, S.V.	10.0841
Persson, P.-A.	10.0766	Presles, H.N.	8.0762	Reaugh, J.E.	11.1038
Peters, W.C.	5.0559	Presles, H.N.	9.0925	Reddy, G.Om	9.0585
Peterson, P.D.	11.0076	Presles, H.N.	9.0933	Ree, F.H.	7.0646
Petrone, F.J.	4.0395	Presles, H.N.	10.0749	Ree, F.H.	8.0501
Petrone, F.J.	5.0099	Presles, H.-N.	11.0353	Ree, F.H.	9.0425
Petschek, A.G.	10.0199	Presles, H.-N.	11.0693	Ree, F.H.	9.0743
Pettersson, A.	10.0555	Pressman, Z.	4.0126	Ree, F.H.	10.0419
Pettersson, A.	11.0266	Price, C.F.	7.0216	Ree, F.H.	10.0425
Pettersson, A.	11.0406	Price, C.F.	8.0934	Ree, F.H.	11.0480
Pettersson, J.	11.0406	Price, C.F.	9.0363	Ree, F.H.	11.0942
Pettit, D.R.	9.0683	Price, D.	1.0022	Reed, R.P.	9.1529
Peyrard, M.	9.0713	Price, D.	5.0207	Reed, S.G.	2.0295
Peyre, C.	4.0135	Price, D.	6.0426	Reese, B.O.	4.0359
Peyre, C.	4.0566	Price, D.	9.1235	Reinhart, W.D.	11.1049
Philipart, D.A.	8.0447	Price, J.H.	4.0290	Reisler, H.	9.1084
Phillips, D.S.	11.0556	Pringle, J.K.	10.0320	Rempel, J.R.	4.0266
Piacesi, D.	3.0226	Protat, J.C.	8.0815	Renick, J.D.	9.0545
Piacesi, D.	4.0153	Prouteau, F.	5.0567	Renick, J.D.	10.0891
Pike, H.H.M.	4.0305	Prouteau, M.	4.0039	Renlund, A.M.	8.0691
Pilarski, D.L.	7.0906	Pugh, H.L.	7.0075	Renlund, A.M.	9.0153
Pilarski, D.L.	9.1460	Pujol, J.	4.0566	Renlund, A.M.	9.1118
Pilcher, D.T.	6.0258	Pujols, H.C.	5.0429	Renlund, A.M.	10.0340
Pillai, C.	11.0054	Pujols, H.C.	8.0135	Renlund, A.M.	11.0127
Pilling, M.J.	9.1193	Quidot, M.	9.1217	Renlund, A.M.	11.0434
Pimbley, G.H.	7.0479	Quidot, M.	10.0113	Reynier, P.	9.1070
Pinco, M.E.	10.0294	Quidot, M.	11.0701	Rho, M.-K.	10.0358
Pinegre, M.	8.0815	Quirk, W.	8.0613	Ribeiro, J.	11.0679
Pinto, J.J.	8.0243	Rabie, R.L.	11.0045	Ribovich, J.	4.0412
Pinto, J.J.	9.0918	Rabie, R.L.	11.0332	Ribovich, J.	5.0081
Pinto, J.J.	10.0190	Rae, P.J.	11.0066	Rice, J.K.	7.0930
Pirotais, D.	8.0337	Ragan, C.E.	11.0045	Rice, S.F.	9.0190
Pittion-Rossillon, G.	7.0703	Raikova, V.M.	11.0030	Richter, H.P.	9.1295
Pitts, L.D.	4.0616	Rainsberger, R.B.	7.0466	Richter, H.P.	10.0802
Plaksin, I.	11.0399	Ramaswamy, A.L.	11.0412	Riedel, C.M.	11.0054
Plaksin, I.	11.0679	Ramsay, J.B.	3.0499	Rigdon, J.K.	5.0059
Plant, J.	4.0555	Ramsay, J.B.	4.0084	Rigger, A.J.	10.0003
Plotard, J.P.	8.0337	Ramsay, J.B.	4.0233	Riley, J.F.	6.0740
Plotard, J.P.	10.0507	Ramsay, J.B.	6.0723	Rinehart, J.S.	1.0031

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Rinehart, J.S.	3.0285	Salisbury, D.A.	11.0649	Schuler, K.W.	5.0589
Ringbloom, V.	9.0626	Salvetat, B.	10.0709	Schwartz, F.R.	3.0833
Ritchie, J.P.	8.0839	Samirant, M.	7.0139	Schwarz, A.C.	6.0062
Ritchie, J.P.	9.1185	Samirant, M.	8.0972	Schwarz, A.C.	6.0668
Ritchie, J.P.	10.0157	Samirant, M.	9.0259	Schwarz, A.C.	7.0416
Ritchie, J.P.	10.0586	Samirant, M.	10.0831	Schwarz, A.C.	7.1024
Ritchie, J.P.	10.0971	Sanborn, R.H.	5.0331	Scott, C.L.	5.0259
Ritman, Z.	10.0979	Sanchez, J.A.	9.0545	Scott, F.H.	2.0157
Rivard, W.C.	5.0003	Sand, T.A.	10.0181	Scott, F.H.	4.0412
Rivera, T.	9.1014	Sanders, S.	8.0003	Scribner, K.	6.0466
Rivera, T.	9.1037	Sandstrom, F.W.	9.0573	Seaman, L.	11.0170
Roach, A.M.	10.1013	Sandstrom, F.W.	10.0515	Seaman, L.	11.0632
Roach, A.M.	11.1145	Sandstrom, F.W.	10.0766	Searcy, J.Q.	6.0062
Roach, G.F.	10.0856	Sandusky, H.W.	7.0119	Searcy, J.Q.	6.0455
Roberts, P.J.	10.0909	Sandusky, H.W.	7.0843	Seay, G.E.	3.0562
Robertson, S.H.	9.1193	Sandusky, H.W.	8.0658	Seegar, D.E.	2.0711
Robinson, N.J.	7.0143	Sandusky, H.W.	8.0881	Seely, L.B.	2.0439
Roeske, F.	11.0422	Sandusky, H.W.	9.0341	Seely, L.B.	3.0562
Rogers, G.T.	2.0547	Sandusky, H.W.	9.1260	Seely, L.B.	4.0359
Rogers, J.W.	7.0930	Sandusky, H.W.	10.0490	Seely, L.B.	5.0089
Romain, J.P.	5.0403	Sandusky, H.W.	11.0428	Seely, L.B.	5.0237
Romain, J.P.	6.0151	Sang Wu	7.0746	Segalov, Z.	8.1126
Roman, N.	11.0406	Santiago, F.	8.0725	Seitz, W.L.	7.0385
Romero, J.A.	11.0556	Sarracino, J.S.	11.0054	Seitz, W.L.	8.0123
Rooijers, A.J.T.	8.0710	Saunders, A.	11.0054	Seitz, W.L.	9.0657
Rosenberg, J.T.	6.0786	Saurel, R.	11.0735	Seitz, W.L.	10.0468
Rosenberg, J.T.	7.0466	Sauvage, S.	11.0640	Selezenev, A.A.	11.0231
Rosenberg, J.T.	7.1072	Savitt, J.	2.0620	Sellam, M.	8.0425
Rosenberg, J.T.	8.0111	Savitt, J.	3.0309	Sentman, L.H.	7.0721
Rosenberg, J.T.	9.0089	Savitt, J.	3.0396	Servas, J.M.	7.0686
Rosenberg, J.T.	11.0162	Savitt, J.	3.0420	Servas, J.M.	8.0159
Rosenberg, J.T.	11.0170	Savitt, J.	4.0404	Servas, J.M.	9.0842
Rosenberg, J.T.	11.0632	Scammon, R.J.	11.0101	Setchell, R.E.	7.0394
Roslund, L.A.	5.0523	Scammon, R.J.	11.0111	Setchell, R.E.	7.0857
Roslund, L.A.	5.0581	Schall, R.	4.0496	Setchell, R.E.	8.0015
Roth, J.	1.0057	Schedlbauer, F.	8.0577	Setchell, R.E.	9.0209
Roth, J.	5.0219	Schedlbauer, F.	9.0962	Sewell, T.D.	11.0883
Ruderman, G.A.	11.0573	Schedlbauer, F.	10.0601	Sharma, J.	8.0725
Russell, T.P.	11.0847	Schedlbauer, F.	10.0876	Sharma, J.	9.0897
Ryan, R.R.	8.0839	Schedlbauer, F.	11.0513	Sharma, J.	10.0347
Sadwin, L.D.	3.0309	Schilperoord, A.A.	6.0371	Sharma, J.	11.0443
Sadwin, L.D.	4.0092	Schilperoord, A.A.	7.0575	Sharma, J.	11.0751
Saint-Martin, C.	8.0596	Schmidt, D.N.	4.0266	Sharp, R.	11.0862
Saint-Martin, C.	9.1371	Schmidt, R.D.	11.0828	Sharples, R.E.	3.0738
Saito, T.	10.0441	Schmidt, S.C.	9.0180	Shaw, L.L.	6.0755
Sakai, H.	8.0558	Schmitt, R.G.	11.0127	Shaw, M.S.	8.0531
Sakai, H.	9.0939	Schmitt, R.G.	11.0434	Shaw, M.S.	9.0452
Sakurai, A.	5.0493	Schmitt, R.G.	11.0852	Shaw, M.S.	10.0401
Sakurai, T.	8.0558	Schott, G.L.	4.0067	Shaw, M.S.	11.0045
Sakurai, T.	9.0939	Schott, G.L.	9.1335	Shaw, M.S.	11.0933

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Shaw, R.	5.0089	Smith, J.	10.0608	Stennett, C.	11.0589
Shaw, R.	5.0237	Smith, K.Stuart	10.0089	Sternberg, H.M.	3.0205
Shaw, R.	6.0231	Smith, L.C.	3.0327	Sternberg, H.M.	3.0226
Shea, J.H.	5.0351	Smolen, J.J.	5.0119	Sternberg, H.M.	4.0027
Sheffield, S.A.	6.0668	Smothers, W.G.	5.0251	Sternberg, H.M.	4.0153
Sheffield, S.A.	6.0748	Sohn, C.H.	8.0926	Sternberg, H.M.	5.0597
Sheffield, S.A.	7.1004	Solomon, J.M.	11.0204	Sternberg, H.M.	6.0528
Sheffield, S.A.	9.0039	Solomonovici, A.	8.1126	Stewart, D.S.	9.0730
Sheffield, S.A.	9.0683	Son, S.F.	11.0153	Stewart, D.S.	9.0773
Sheffield, S.A.	10.0166	Song Jialiang	8.1011	Stewart, D.S.	11.0573
Sheffield, S.A.	10.0459	Song, S.Y.	9.0471	Stewart, J.R.	8.0962
Sheffield, S.A.	11.0451	Sorel, J.	8.0135	Stewart, R.F.	8.0839
Sheffield, S.A.	11.0821	Sorel, J.	8.0892	Stiel, L.I.	10.0433
Shepherd, J.E.	9.0641	Souers, P.C.	11.0459	Stiel, L.I.	11.1073
Shepherd, J.E.	10.0596	Souers, P.C.	11.0828	Stine, J.R.	11.0362
Shepherd, J.E.	10.0849	Souers, P.C.	11.0889	Stinecipher, M.M.	7.0801
Shi Huisheng	9.0947	Souers, P.C.	11.0998	Stinecipher, M.M.	8.0351
Shiino, K.	6.0450	Soulès, F.	10.0207	Stolovy, A.	7.0050
Shiino, K.	8.0993	Souletis, J.	8.0431	Straight, J.W.	11.0101
Shikari, Y.A.	6.0336	Souletis, J.	8.0625	Strange, F.M.	4.0003
Short, J.M.	7.0952	Spaulding, R.L.	7.0877	Strehlow, R.A.	7.0721
Shrader, J.	6.0740	Spear, R.J.	9.0098	Stresau, R.H.F.	2.0620
Shuey, H.M.	4.0096	Spitzer, D.	10.0831	Stresau, R.H.F.	2.0711
Shupe, O.K.	3.0150	Spontarelli, T.	11.0362	Stresau, R.H.F.	2.0749
Shutov, A.V.	10.0058	Spyckerelle, C.	10.0276	Stresau, R.H.F.	3.0309
Shvedov, K.K.	6.0029	Spyckerelle, C.	10.0816	Stresau, R.H.F.	3.0396
Siekhaus, W.J.	10.0181	Stacy, H.L.	8.0123	Stresau, R.H.F.	3.0420
Silvestrov, V.V.	6.0036	Stacy, H.L.	9.0657	Stresau, R.H.F.	4.0442
Simons, J.W.	11.0632	Stacy, H.L.	10.0468	Stresau, R.H.F.	4.0449
Simpson, R.L.	9.0025	Stacy, H.L.	11.0054	Stresau, R.H.F.	6.0068
Simpson, R.L.	9.0280	Stadnitshenko, I.A.	6.0036	Stretz, L.A.	8.0351
Simpson, R.L.	9.0525	Stahl, S.O.	4.0602	Stretz, L.A.	9.1014
Simpson, R.L.	10.0215	Stanton, P.L.	7.0865	Stromberg, H.D.	5.0331
Simpson, R.L.	11.0828	Stanton, P.L.	8.0485	Sulimov, A.A.	6.0250
Sitton, O.C.	10.0918	Stanton, P.L.	9.1118	Sulsky, D.L.	11.0547
Sitzmann, M.E.	9.1162	Starkenber, J.	7.0003	Sultanoff, M.	2.0157
Sjolin, T.	4.0435	Starkenber, J.	8.0307	Sultanoff, M.	3.0436
Sjolin, T.	5.0153	Starkenber, J.	8.1080	Sultanoff, M.	3.0520
Skidmore, C.B.	11.0101	Starkenber, J.	8.1139	Sultanoff, M.	4.0117
Skidmore, C.B.	11.0391	Starkenber, J.	9.0604	Sumida, W.K.	9.0972
Skidmore, C.B.	11.0556	Starkenber, J.	9.1460	Sumin, A.I.	11.0030
Skidmore, I.C.	4.0014	Starkenber, J.	9.1489	Sun Chengwei	9.0142
Skidmore, I.C.	4.0047	Starkenber, J.	10.0992	Sun Jian	9.0435
Skidmore, I.C.	5.0573	Starkenber, J.	11.0279	Sun, Chengwei	11.0036
Skocypec, R.D.	9.1140	Starkenber, J.	11.0621	Sun, Chengwei	11.1023
Slettevold, C.	8.0003	Starr, L.E.	2.0620	Sundararajan, R.	8.0635
Slie, W.M.	2.0749	Starshinov, A.V.	11.0085	Sutherland, G.T.	10.0063
Smedberg, u.	8.1069	Stec, D.	8.0734	Sutherland, G.T.	10.0731
Smith, C.P.M.	5.0467	Steele, R.D.	9.1014	Swallowe, G.M.	7.0024
Smith, C.P.M.	6.0477	Steinberg, D.J.	8.0513	Swallowe, G.M.	8.0635

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Swansiger, R.W.	11.0828	Tarver, C.M.	11.0093	Trofimov, V.S.	9.0250
Swanson, B.I.	8.0715	Tarver, C.M.	11.0145	Trott, B.D.	5.0191
Swanson, B.I.	9.1019	Tarver, C.M.	11.0599	Trott, W.M.	8.0691
Swift, D.C.	9.0784	Tasker, D.G.	7.0285	Trott, W.M.	9.0153
Swift, D.C.	10.0175	Tasker, D.G.	9.0396	Trott, W.M.	9.1118
Swift, D.C.	10.0386	Tasker, D.G.	11.0565	Trott, W.M.	10.0340
Swift, D.C.	11.0012	Taylor, B.C.	3.0267	Trott, W.M.	11.0127
Swift, D.C.	11.1065	Taylor, B.C.	6.0003	Trujillo, O.	11.0054
Takahashi, K.	11.0466	Taylor, G.W.	9.1014	Trumel, H.	10.0122
Takala, B.E.	9.1543	Taylor, G.W.	9.1037	Trumel, H.	11.0309
Takala, B.E.	10.1013	Taylor, J.W.	3.0077	Trzcinski, W.	9.0766
Takala, B.E.	11.0054	Taylor, J.W.	5.0291	Tsai, D.H.	8.0870
Takala, B.E.	11.1145	Taylor, J.W.	5.0311	Tucker, H.E.	11.0054
Takayama, K.	10.0441	Taylor, P.	11.0649	Tulis, A.J.	5.0047
Taliancich, A.G.	9.0089	Taylor, P.A.	8.0026	Tulis, A.J.	6.0173
Tan Bing-Sheng	7.0826	Tegg, D.	5.0089	Tulis, A.J.	6.0183
Tanaka, K.	7.0583	Thivet, R.	7.0107	Tulis, A.J.	9.0972
Tanaka, K.	8.0548	Thoma, K.	8.1131	Udy, L.L.	3.0150
Tanaka, K.	8.0558	Thompson, R.T.	11.0054	Urizar, M.J.	3.0327
Tanaka, K.	8.0993	Thomson, D.J.	10.0190	Ursenbach, W.O.	2.0519
Tanaka, K.	9.0621	Thoreen, J.L.	9.1284	Ursenbach, W.O.	2.0733
Tang, P.K.	8.0052	Thouvenin, J.	4.0135	Ursenbach, W.O.	3.0357
Tang, P.K.	9.0657	Thouvenin, J.	4.0258	Urtiew, P.A.	5.0105
Tang, P.K.	10.0947	Thouvenin, J.	4.0566	Urtiew, P.A.	5.0119
Tang, P.K.	11.1058	Thouvenin, J.	7.0661	Urtiew, P.A.	9.0112
Tao, W.C.	9.0641	Thrap, R.G.	2.0231	Urtiew, P.A.	10.0139
Tao, W.C.	9.0798	Timnat, Y.M.	6.0590	Urtiew, P.A.	10.0696
Tao, W.C.	9.0868	Tisley, D.G.	7.1040	Urtiew, P.A.	11.0145
Tao, W.C.	9.1310	Titov, V.M.	6.0036	Utkin, A.V.	9.0050
Tao, W.C.	10.0628	Titov, V.M.	7.0362	Utkin, A.V.	10.0058
Tao, W.C.	10.0696	Titov, V.M.	8.0143	Utkin, A.V.	10.0841
Tarver, C.M.	6.0231	Titov, V.M.	8.0196	Vacellier, J.	5.0567
Tarver, C.M.	7.0056	Titov, V.M.	9.0407	Vacellier, J.	9.0842
Tarver, C.M.	7.0256	Tokita, K.	9.0640	Valentini, J.J.	8.0701
Tarver, C.M.	7.0488	Tombini, C.	7.1010	van der Steen, A.C.	8.0710
Tarver, C.M.	7.0993	Tomlinson, R.	9.1322	van der Steen, A.C.	9.0083
Tarver, C.M.	7.1029	Torii, A.	9.0640	van der Steen, A.C.	9.0320
Tarver, C.M.	8.0587	Torii, A.	11.0466	van der Steen, A.C.	9.0560
Tarver, C.M.	8.0613	Travis, J.R.	3.0469	van der Steen, A.C.	10.0685
Tarver, C.M.	8.0951	Travis, J.R.	3.0499	van der Steen, A.C.	11.0640
Tarver, C.M.	8.1045	Travis, J.R.	4.0386	Van Dolah, R.W.	3.0436
Tarver, C.M.	9.0112	Travis, J.R.	4.0609	Van Dolah, R.W.	4.0117
Tarver, C.M.	9.0133	Travis, J.R.	8.1057	Van Dolah, R.W.	5.0081
Tarver, C.M.	9.0525	Trebinski, R.	9.0766	van Swol, F.	11.0788
Tarver, C.M.	9.0670	Trevino, S.F.	8.0870	van Thiel, M.	8.0501
Tarver, C.M.	9.0701	Trimble, J.J.	6.0325	van Thiel, M.	9.0425
Tarver, C.M.	10.0003	Trimble, J.J.	6.0691	van Thiel, M.	9.0743
Tarver, C.M.	10.0139	Trimble, J.J.	7.0247	van Thiel, M.	10.0419
Tarver, C.M.	10.0628	Trimble, J.J.	7.0986	van Thiel, M.	10.0425
Tarver, C.M.	10.0696	Trofimov, V.S.	7.0789	van Thiel, M.	11.0942

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Vanpoperinghe, J.	8.0135	Wackerle, J.	10.0130	Westmoreland, C.	7.0256
Vanpoperinghe, J.	8.0892	Wackerle, J.	10.0468	Westmoreland, C.	7.0517
Vantine, H.C.	7.0325	Wagner, J.	8.0577	Weston, A.M.	7.0256
Vantine, H.C.	7.0466	Walker, E.H.	8.1119	Weston, A.M.	7.0887
Vantine, H.C.	7.1062	Walker, F.E.	7.0777	Weston, A.M.	8.0914
Velicky, R.W.	7.0898	Walker, G.R.	1.0039	Weston, A.M.	9.0280
Velicky, R.W.	7.0924	Walker, W.A.	4.0027	Weston, A.M.	10.0963
Velicky, R.W.	8.0251	Walker, W.A.	5.0597	Whatmore, C.E.	7.0017
Venable, D.	4.0639	Wallace, A.A.	6.0625	Whatmore, C.E.	8.1035
Venable, D.	5.0003	Walsh, E.K.	7.0394	Whitbread, E.G.	2.0643
Venable, D.	5.0013	Walton, J.	6.0214	Whitbread, E.G.	2.0695
Venturini, E.L.	8.0485	Walton, J.	6.0729	Whitbread, E.G.	3.0202
Verbeek, H.J.	8.0669	Walton, J.	7.0887	Whitbread, E.G.	3.0574
Verbeek, H.J.	9.0083	Walton, J.	8.0613	Whitbread, E.G.	3.0659
Verbeek, H.J.	9.0320	Wang Aiqin	8.1011	White, S.J.	11.0012
Verbeek, R.	10.0685	Wang Tinzheng	9.0816	Whitworth, M.B.	10.0525
Verdes, G.	4.0039	Wang, J.	10.0608	Wiedermann, A.H.	6.0336
Verdes, G.	5.0031	Wang, J.	11.0525	Wiegand, D.A.	11.0744
Verdes, G.	5.0041	Ward, S.H.	8.0380	Wiknich, J.	10.0320
Verhoek, F.H.	3.0050	Warnes, R.	9.1131	Wilke, M.D.	11.0054
Veysseyère, B.	11.0693	Warren, T.W.	9.0822	Wilkes, J.S.	7.0075
Vidart, A.	4.0527	Wartenberg, Ch.	10.0885	Wilkins, M.L.	3.0721
Viecelli, J.A.	11.0942	Wasley, R.J.	4.0239	Wilkins, M.L.	4.0003
Vigil, M.G.	8.1091	Wasserman, H.J.	8.0839	Wilkins, M.L.	4.0519
Vigil, M.G.	9.1385	Watson, J.L.	7.1048	Williams, A.E.	10.0963
Voight, H.W.	8.0251	Watson, R.W.	4.0117	Williams, P.E.	11.0475
Volk, F.	8.0577	Watson, R.W.	5.0081	Williams, R.F.	5.0427
Volk, F.	9.0962	Watson, R.W.	5.0169	Wilmot, G.B.	9.0626
Volk, F.	10.0601	Watson, R.W.	5.0559	Wilmot, G.B.	10.0619
Volk, F.	11.0513	Watson, R.W.	6.0115	Wilson, L.L.	11.0286
Von Holle, W.G.	6.0691	Watt, J.W.	10.0347	Wilson, L.T.	11.1049
Von Holle, W.G.	7.0993	Webber, P.E.	8.0294	Wilson, W.H.	10.0063
Von Holle, W.G.	8.0003	Wecken, F.	4.0107	Wilson, W.H.	10.0731
Von Holle, W.G.	8.1045	Wedaa, H.W.	2.0251	Wilson, W.H.	11.0565
Von Holle, W.G.	9.0133	Weingart, R.C.	6.0653	Winey, J.M.	11.0521
Von Rosen, K.	9.1364	Weingart, R.C.	6.0755	Wingborg, N.	11.0807
Voreck, W.E.	7.0924	Weingart, R.C.	7.0325	Winning, C.H.	3.0455
Voreck, W.E.	8.0251	Weingart, R.C.	7.0425	Winslow, O.G.	6.0664
Voreck, W.E.	8.0460	Weingart, R.C.	7.1062	Winter, N.W.	11.0480
Vorthman, J.	8.0099	Weingart, R.C.	8.0003	Winter, R.E.	11.0649
Vorthman, J.	11.0332	Weingart, R.C.	8.1045	Wiseman, L.A.	2.0643
Vorthman, J.	11.1058	Weinmaster, R.R.	9.0822	Witkowski, W.	9.0766
Wachtell, S.	3.0635	Weirick, L.J.	9.1060	Wittig, C.	9.1084
Wackerle, J.	4.0154	Wellman, G.W.	11.0127	Wlodarczyk, E.	9.0766
Wackerle, J.	6.0020	Wellmar, U.	11.0807	Wolfe, A.	9.0918
Wackerle, J.	7.0385	Wen, Shanggang	11.0036	Wolfe, A.	10.0190
Wackerle, J.	8.0099	Wenograd, J.	3.0010	Wollenweber, U.	8.1131
Wackerle, J.	8.0123	Wenograd, J.	3.0060	Wood, A.	11.0897
Wackerle, J.	9.0657	West, C.E.	5.0533	Wood, W.W.	2.0312
Wackerle, J.	9.0683	West, G.T.	7.0865	Wood, W.W.	2.0424

C. Author Index (Continued)

Name	Sy.Page	Name	Sy.Page	Name	Sy.Page
Woody, D.L.	9.1243	Yoo, C.-S.	11.0951	Zimmerscheid, A.B.	6.0389
Woody, D.L.	10.0549	Yoshida, M.	8.0993	Zimmerscheid, A.B.	6.0740
Woody, D.L.	11.1007	Yoshida, M.	9.0621	Zinman, W.G.	2.0198
Worsey, P.N.	10.0918	Yu Jun	9.1360	Ziock, H.-J.	11.0054
Wrenn, E.	6.0214	Yu, J.M.	7.0343	Zoe, J.	7.0602
Wright, P.W.	4.0142	Yuan, V.	11.0045	Zoe, J.	8.0151
Wright, P.W.	4.0573	Zaker, T.A.	5.0313	Zöellner, H.	9.0066
Wu Xiong	8.0796	Zaug, J.M.	11.0498	Zoludeva, T.A.	9.0724
Wu Xiong	9.0435	Zerilli, F.J.	9.0461	Zou Quangqing	8.1011
Wu, B.J.	11.0889	Zerilli, F.J.	10.0449	Zovko, C.T.	3.0606
Wu, C.J.	11.0490	Zerilli, F.J.	11.1082	Zumbro, J.D.	11.0054
Xiao Lianjie	9.0435	Zernow, L.	5.0067	Zurn, D.E.	7.0216
Xu Laibin	8.1011	Zhang Guanren	9.1360	Zwierzchowski, N.G.	9.1295
Yakushev, V.V.	5.0399	Zhang Guan-Ren	7.0746	Zwierzchowski, N.G.	10.0320
Yakushev, V.V.	6.0143	Zhao Feng	9.0142	Zwisler, W.H.	6.0162
Yang, L.C.	6.0612	Zhao Hengyang	8.0083		
Yates, G.J.	11.0054	Zhao, Feng	11.0036		
Ye, H.	10.0608	Zhao, Feng	11.1023		
Yoneda, K.	8.0168	Zhao, Tonghu	11.1023		

D. Acronym and Code Name Index

Alphabetic, First Reference

Name	Sy.Pg	Makeup
1,1-DP	5.0090	1,1-bis(difluoroamino)propane
1,2-DB	5.0237	1,2-bis(difluoramino)butane
1,2-DP	5.0237	1,2-bis(difluoramino)propane
1,3-DP	5.0090	1,3-bis(difluoramino)propane
1,4 BGDN	11.0086	1,4 Buthylene Glycoldinitrate
1-MNT	6.0232	1-methyl-5-nitrotetrazole
2,2-DB	5.0237	2,2-bis(difluoramino)butane
2,2-DP	5.0237	2,2-bis(difluoramino)propane
2,3 BGDN	11.0086	2,3 Buthylene Glycoldinitrate
2-MNT	6.0232	2-methyl-5-nitrotetrazole
2-NE	7.0762	2-nitroethanol
A-3	9.0106	91 RDX/9 wax
A-5	7.0551	97 RDX/3 wax
A-589	5.0139	86 HMX/14 PB
A-590	5.0139	80.3 HMX/5.9 AP/13.8 PB
A-591	5.0139	69 HMX/17 AP/14 PB
A-592	5.0139	57 HMX/29 AP/14 PB
AAB 3189	7.0892	9.2 RDX/60.8 AP/15 AI/15 binder
AAB 3225	7.0892	7.1 RDX/62.9 AP/15 AI/15 binder
AAB 3267	7.0892	5 RDX/65 AP/15 AI/15 binder
ABH	8.0528	C ₂₄ H ₆ N ₁₄ O ₂₄
ADDF	6.0467	1,4,4,10,10,13-hexafluoro-1,1,7,7,13,13-hexanitro-3,5,9,11- tetraoxotridecane
ADN	11.0214	ammonium dinitramide
ADNBF	9.0566	7 amino-4,6 dinitrobenzofuroxan
ADNT	7.0801	ammonium salt of 3,5-dinitro-1,2,4-triazole
AF 902	9.0487	95 NQ/5 Viton A
AFM	11.0443	Atomic force microscope
AFX-108 E	9.1236	82 RDX/18 O
AFX1100	9.1284	66 TNT/16 OD2 wax/18 AI
AFX-521	8.1106	95 PYX/5 Kel-F 800
Amatex 20	6.0647	20 RDX/40 TNT/40 AN
Amatol	5.0501	20-60% AN/80-40% TNT
AMMO	9.0232	azidomethyl methyloxethane
AMS	11.0249	40 AN/15 sodium nitrate/10 carbamide/25 water/10 AI/polyacrilamide/0.4 additive
AN	6.0439	ammonium nitrate
AN	11.0086	Allynitrate
ANFO	3.0186	94.6 AN/5.4 fuel oil
ANFOAL-10	6.0546	87.4 AN/2.6 fuel oil/10 aluminum
ANT	10.0886	3-amino-5-nitro-1,2,4 triazole
AP	5.0139	ammonium perchlorate
ATEC	9.0539	acetyl triethyl citrate
ATX-27R	10.0891	33 EDD/33 AN/1.4 urea/3.1 oil/1.7 emulsifier/27 RDX/0.4 casting agent
B 2141	7.0409	88 RDX/12 HTPB
B 2142	7.0409	77 PETN/23 PU
B 2161	8.0437	40 HMX/30 AP/20 AI/10 polyurethane binder

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
B 2169	8.0437	83 PETN/17 polyurethane
B 2174	8.0437	47 HMX/30 AP/11 lead nitrate/12 polyurethane
B 2190	8.0437	30 PETN/70 HTPB
B 2191	8.0437	37 HMX/40 AP/11 lead nitrate/12 polyurethane
B 2192	8.0437	27 HMX/50 AP/11 lead nitrate/12 polyurethane
B 2203	10.0115	RDX/inert binder
B 2208	10.0899	82 HMX/polyurethane binder
B 2209	10.0899	81.5 HMX/silicon(<i>sic</i>) binder
B 2210	10.0899	72 HMX/florinated binder
B 2214	9.1008	12 HMX/72 NTO/16 inert binder
B 2214	10.0115	HMX/NTO/inert binder
B 2220	10.0115	RDX/inert binder
B 2241	10.0899	82.8 HMX/HTPB
B 3003	8.0437	80 HMX/20 NC-NGI
B 3100	10.0646	42 HMX/9 AP/19 Al/30 binder
B 3103	10.0646	51 HMX/19 Al/30 binder
B 3108	10.0115	HMX/Al/energetic binder
B2211D	11.0385	20 RDX/43 AP/2 Al/12 HTPB
B2214B	11.0385	12 HMX/72 NTO/16 HTPB
B2248A	11.0385	42 HMX/46 NTO/12 HTPB
B3110A	11.0385	29 HMX/30 NTO/25 NC-NG binder
Baratol	3.0563	76 barium nitrate/24 TNT
Baratol	4.0361	70 barium nitrate/30 TNT
Baratol	6.0629	72 barium nitrate/28 TNT
Baratol 76	6.0647	76 barium nitrate/24 TNT
Baratol UK	9.0793	70 TNT/30 BaNO ₃
BDNPA	9.1018	bis (2,2-dinitropropyl)-acetal
BDNPA-F	9.1236	eutectic
BDNPF	9.1018	bis (2,2-dinitropropyl)-formal
BH-1	8.0083	plastic-bonded RDX
blasting gelatin	3.0045	91 NG/8 NC/1 chalk
BO-1	8.0093	plastic-bonded HMX, similar to PBX 9404
Boracitol	10.0418	40 TNT/60 boric acid
Bridgwater Type A	10.0089	59.5 RDX/39.5 TNT/1.0 Beeswax
BTF	6.0712	benzotrifuroxane
BTFMA	6.0467	1-fluoro-1,1-dinitro-4,4-bis(trifluoromethyl)-3,5-dioxohexane
BTNEN	3.0070	bis-(2,2,2-trinitroethyl)nitramine
BTX	6.0460	5,7-dinitro-1-picrylbenzotriazole
BTZ	8.1019	bitetrazole
BWX	2.0661	beeswax
BX1	8.1106	60 TATB/35 (95 RDX/5 HMX)/5 Kel-F
BX2	8.1106	60 TATB/35 (95 RDX/5 HMX)/5 PTFE
BX3	8.1106	60 TATB/35 (90 RDX/10 HMX)/5 Kel-F
BX4	8.1106	60 TATB/35 (90 RDX/10 HMX)/5 PTFE
C-4	4.0097	91 RDX/9 wax
CAB	9.0539	cellulose acetate butyrate
CACTP	6.0455	catena- μ -cyanotetraammine cobalt(III) perchlorate
CDB	10.0095	42 nitrocellulose/46 nitroglycerin (cast double base)
Cedosol 10	9.1082	B ₁₀ H ₁₂ (CsNO ₃) ₂

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
CEF	4.0005	tris β -chloroethylphosphate
CH6	9.0100	97.5 RDX/0.5 polyisobutylene/0.5 calcium stearate/0.5 graphite
CMBD	9.0007	NC/NG/HMX/Al/AP
Comp A	3.0687	91 RDX/9 wax
Comp A	6.0647	92 RDX/8 wax
Comp A 3	9.1463	91 RDX/9 polyethylene
Comp A 5	7.0551	97 RDX/3 wax
Comp A 5	7.0928	98 RDX/2 stearic acid
Comp A 5	8.0265	98.5 RDX/1.5 stearic acid
Comp B	2.0479	60 RDX/40 TNT, wax and other additives (1 to 1.5%)
Comp B	4.0048	60 RDX/40 TNT
Comp B	6.0493	60 RDX/40 TNT/1 wax
Comp B	6.0629	59.5 RDX/39.5 TNT/1 beeswax
Comp B	6.0647	63 RDX/36 TNT/1 wax
Comp B	7.0353	45 RDX/55 TNT/1 wax
Comp B (ISL)	7.0317	65 RDX/35 TNT
Comp B, Grade A	4.0005	64 RDX/36 TNT
Comp B, Grade A	5.0198	59.5 RDX/39.5 TNT/1.0 wax
Comp B-3	4.0361	64 RDX/36 TNT
Comp B-3	5.0004	60 \pm 1.5 RDX/40 \pm 1.5 TNT
Comp B-3	9.1236	60 RDX/40 TNT
Comp B-3 (ISL)	7.0317	60 RDX/40 TNT
Comp B3 (waxed)	5.0280	60 RDX/40 TNT/1 wax
Comp B4	7.0900	60 RDX/40 TNT, no wax
CP	6.0455	1-(5-cyanotetrazolato)pentaammine cobalt(III) perchlorate
CPeX	11.0193	divergnet flow code (see 8th symposium) p176
CPX 200	11.0273	60 RDX/20 Al/10 binder/ 10 K10 liquid
CTX-1	8.0265	15 RDX/40 AP/23 Al/22 TNT + additives
CW3	9.1323	analog of 60 RDX/40 TNT
CX-84	8.0366	84 RDX/9.7 R45-HT/5.6 DOA/0.7 TDI
CX-84A	9.1482	84 RDX/16 HTPB
CX-85	10.0307	84.25 HMX/15/75 HTPB
Cyclonite	3.0437	RDX
Cyclotol	3.0502	65 RDX/35 TNT
Cyclotol	5.0065	72 RDX/25 TNT
Cyclotol 25/75	9.1236	25 RDX/75 TNT
Cyclotol 60/40	9.1236	60 RDX/40 TNT
Cyclotol 77/23	6.0647	77 RDX/23 TNT
D-2	9.1236	84 D2 wax/14 NC/2 lecithin
DANTNP	10.0885	5-nitro-4,6 bis((5nitro,1H-1,2,4 triazole-3yl) amino pyrimidine
DAT	10.0588	3,6-diaminotetrazine
DATB	3.0761	1,3-diamino-2,4,6-trinitrobenzene
DBA	3.0379	Dense Blasting Agent, slurries of TNT or Composition B
DDI	10.0095	Dimeryl diisocyanate
DDNP	3.0012	diazodinitrophenol
Debrix 18AS	8.0265	95.5 RDX/2.5 wax/2 additives
Debrix-2	8.1106	95 RDX/5 wax
DEGDN	7.0762	diethylene glycol dinitrate
DETA	10.0105	diethylenetriamine

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
DFB	6.0467	2,2-difluoro-2-nitroethyl-5,5-difluoro-2-(3',3'-difluoro-3'-nitro-1-oxopropyl)-5,5-dinitro-3-oxopentanoate
DFF	6.0467	bis(2-fluoro-2,2-dinitroethyl)difluoroformal
DFNT	6.0467	2,2-difluoro-2-nitroethyl-trifluoromethane-sulfonate
DGDN	11.0086	Diethylene glycoldinitrate
DHE	8.0365	2-hydroxymethyl dimethylhydantoin
dichloro TEDNCP	10.0157	derivative of cyclotriphosphazene
difluoro TEDNCP	10.0157	derivative of cyclotriphosphazene
DINA	3.0066	di-β-nitroxyethyl nitramine
DINGU	7.0540	dinitroglycoluril
DIPM	10.0414	C ₁₂ H ₆ N ₈ O ₁₂
DiTeU	4.0435	dinitroethyl-uric (<i>sic</i>)
Dithekite	3.0186	a mixture of 82.8% nitric acid, nitrobenzene, and water
Dithekite 13	3.0493	63 nitric acid/24 nitrobenzene/13 water
Dithekite 13/20	2.0648	dithekite with 13/20 wt% water
DNBF	9.0566	4,6-dinitrobenzofuroxan
DNCH	11.0086	Dinitrochlorohydrine
DNNC	9.0232	1,3,5,5-tetranitro-hexahydropyrimidine
DNP	7.0374	dinitrophenol
DNPA	4.0005	2,2-dinitropropylacrylate
DNPF	3.0685	bis-dinitropropyl fumarate
DNPP	6.0467	2,2-dinitropropyl perchlorate
DNPTB	3.0070	2,2-dinitropropyl 4,4,4-trinitrobutyrate
DNT	7.0374	dinitrotoluene
DNT	7.0802	3,5-dinitro-1,2,4-triazole
DOA	8.0363	dioctyl adipate
DOP	4.0005	dioctylphthalate
DREV-Explosive	8.0363	84 RDX/16 polybutadiene
DXD-01	9.0475	84% RDX/16% binder
EA	7.0548	50 EDD(ethylenediamine dinitrate)/50 AN
EAK	8.1002	46 ethylenediamine dinitrate/46 ammonium nitrate/8 potassium nitrate
EAR	7.0551	42.5 EDD/42.5 AN/15 RDX
EARK	7.0551	42.5 EDD/36.1 AN/15 RDX/6.4 potassium nitrate
EARL-1	7.0551	40.3 EDD/40.3 AN/14.2 RDX/5.2 Al
EARL-2	7.0551	36.2 EDD/36.2 AN/12.8 RDX/14.8 Al
EDC1	11.0273	70 HMX/4 RDX/25 TNT/1 Wax
EDC-29	9.0793	95 HMX/5 polyurethane
EDC-32	9.0793	85 HMX/15 Viton
EDC-35	9.0123	95 TATB/5 Kel-F 800
EDC-37	11.0067	91 HMX(bi-modal)/1 NC/8 K10
EDD	6.0439	ethylenediamine dinitrate
EDNA	6.0314	ethylenedinitramine
EDNP	5.0139	ethyl-4,4-dinitropentanoate w/1% Cab-O-Sil gelling agent
EE	9.0585	emulsion explosive
EGD	3.0456	ethylene glycol dinitrate
EGDN	3.0438	ethylene glycol dinitrate
EGN	2.0659	ethylene glycol dinitrate
EIE	4.0159	exchanged-ion explosive (10 NG/90 stoichiometric ammonium chloride-potassium nitrate mixture)

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
EJC-90	9.1236	26 HMX/14 NC/32 NG/5 AP/18 Al/5 O
Emulite	8.1071	AN/FO/water with gas-filled microspheres
EN	3.0813	ethyl nitrate
Estane	4.0005	trademark for polyester-urethane of adipic acid 1,4-butanediol, diphenylmethane diisocyanate
ET	3.0744	homogeneous mixture of ethyldecaborane in tetranitromethane
EtDP	4.0005	ethyl 4,4-dinitropentanoate
eutectic	9.1015	50 BDNPA/50 BDNPF
EXP-D	10.0414	C ₆ H ₆ N ₈ O ₁₂ (ammonium picrate)
FDA	6.0467	bis(2-fluoro-2,2-dinitroethyl) acetal
FDE	6.0467	1,1,4-trifluoro-1,4,4-trinitro-3-oxobutane
FDEE	6.0467	1,5,-difluoro-1,1,5,5-tetranitro-3-oxopentane
FDEK	7.0804	2.55 AN/0.3 ADNT/1 EDD/0.36 potassium nitrate, the numbers are vol%
FDNE-A	6.0467	1,9-difluoro-1,1,5,5,9,9-hexanitro-3,7-dioxononane
FDNE-N	6.0467	2-fluoro-2,2,-dinitroethyl nitrate
FDNEP	6.0467	2-fluoro-2,2-dinitroethyl perchlorate
FDNE-S	6.0467	bis(2-fluoro-2,2-dinitroethyl)sulfate
FEFO	6.0467	bis(2-fluoro-2,2-dinitroethyl)formal
FNR	4.0005	tetrafluoroethylene-trifluoro-nitroso methane copolymer
FO	6.0546	fuel oil #1
FT-1	9.0879	21 thiokol/8 Al/65AP
FT-2	9.0879	11 HTPB/18 Al/68 AP
FTE	6.0467	1,1,1,4-tetrafluoro-4,4-dinitro-3-oxobutane
GAP	10.0603	glycidyl azide polymer binder
GBFO	6.0467	1,12-difluoro-1,1,12,12-tetranitro- 3,5,8,10-tetraoxododecane
GD	11.0086	Glycerin dinitrate
GGO	11.0037	generalized geometrical optics
GMB	8.0993	glass microballoons
GN	11.0086	Glycidol nitrate
Gurit	8.1071	NG/EGDN/SiO ₂
H/HN	9.0487	21 hydrazine/79 hydrazine nitrate
H19	9.1061	32 Al/5 AP/51 KCl/9 HTPB/2 DOA
H-6	5.0255	45 RDX/30 TNT/20 Al/5 wax
HAV-10	5.0139	74.7 HMX/10.6 Al/14.7 Viton
HAV-20	5.0139	65.7 HMX/18.9 Al/15.4 Viton
HBX	2.0737	45 RDX/30 TNT/25 Al
HBX	5.0073	75 Composition B/25 Al
HBX-1	5.0524	40 RDX/38.1 TNT/17.1 Al/4.8 Wax
HBX-1	9.1236	40 RDX/36 TNT/19 Al/5 D-2
HBX-3	9.1236	30 RDX/26 TNT/38 Al/6 D-2
HCX	8.1011	heterogeneous composite explosive
HDBA	8.0365	4-hydroxy-N-N-dimethylbutyramide
heat powder	9.1082	88 Fe/12 KP
HEP	8.0883	high-energy propellant
HEP-1	10.0956	60 wt% solids propellant (RDX/AP) 0.8 wt% PbCO ₃
HEP-2	10.0956	60 wt% solids propellant (HMX/AN)
HEP-3	10.0956	60wt% solid propellant (RDX/AN)
Hexatol 60/40	6.0546	59 RDX/40 TNT/1 wax
Hexatol 15	6.0546	42.1 RDX/42.1 TNT/0.8 wax/15 Al

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
Hexogen	4.0159	RDX
Hexol	10.0115	60 RDX/40 TNT
Hexotol 60/40	6.0511	60 RDX/40 TNT
Hexotolif 15	6.0511	42.5 RDX/42.5 TNT/15 LiF
Hexotonal 15	6.0511	42.5 RDX/42.5 TNT/15 Al
HH	9.0940	hydrazine hydrate
HMTA	4.0184	hexamethylenetetramine
HMX	6.0712	cyclotetramethylene tetranitramine
HN	1.0027	hydrazine mononitrate
HNAB	7.0416	hexanitroazobenzene
HNB	7.0647	hexanitrobenzene
HNDZ	9.0232	1,3,3,5,7,7-hexanitrodiazacyclooctane
HNS	5.0222	hexanitrostilbene
HTPB	8.1036	hydroxyl-terminated polybutadiene
HV4	5.0280	85 HMX/15 Viton
HW4	5.0280	95 HMX/5 wax
HX72	9.0963	80 RDX/20 PB
HX78	9.0963	55 NQ/30 RDX/15 PB
HXA123	9.0963	70 RDX/15 PB/15 Al
IBA	5.0237	1,2-bis(difluoramino)-2-methylpropane (isobutylene adduct)
ICCP	6.0455	isothiocyanatopentaammine cobalt(III) perchlorate
IPDI	8.1036	isophorone diisocyanate
IRX-1	10.0732	Coarse HMX/HTPB
IRX-3	10.0732	Coarse HMX/HTPB/Al
ISLS	11.0491	Impulsive Stimulated Light Scattering
IZO-PN	11.0086	Iso-propylnitrate
JA2	9.0539	59 NC/15 NG/25 DEGDN
K10	11.0067	2,4-dinitroethylebenzene, 2,6-dinitroethlybenzene, 2,4,6-trinitroethlybenzene
K-6	10.0862	1,3,5-trinitro-2-oxo-1,3,5-triazacyclo-hexane
keto-RDX	10.0862	1,3,5-trinitro-2-oxo-1,3,5-triazacyclo-hexane
KHNO	9.1082	potassium salt of hexanitro diphenylamine
KP	5.0139	potassium perchlorate
LAC	9.0975	β -lactose
LG/UW-4	10.0732	AP/Al/TMETN/Other
LP	5.0139	lithium perchlorate
LS	8.0711	lead styphnate, $Pb(C_6O_9N_3H_3)$
LX-01	10.0414	$C_{1.52}H_{3.73}N_{1.69}O_{3.39}$
LX-03-0	9.1236	70 HMX/20 DATB/10 Viton A
LX-04-1	4.0489	85 HMX/15 Viton, "1" denotes fine-particle-sized HMX
LX-07	5.0065	90 HMX/10 Viton
LX-07-0	4.0005	90 HMX/10 Viton
LX-09	5.0065	93.3 HMX/4.2 DNPA/2.5 FEFO
LX-10	5.0065	95 HMX/5 Viton
LX-10-1	10.0786	94.5 HMX/5.5 Viton, "1" denotes fine-particle-sized HMX
LX-11	5.0139	80 HMX/20 Viton
LX-13	8.1091	80 PETN/20 Sylgard (see XTX-8003)
LX-14	8.0614	95.5 HMX/4.5 Estane 5702-F1
LX-15	8.1106	95 HNS/5 Kel-F 800
LX-16	11.0423	96% PETN

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
LX-17	7.0488	92.5 TATB/7.5 Kel-F (formerly RX-03-BB)
M2	9.0539	75 NC
M5	9.0539	82 NC/20 NG
MA	6.0467	1,1,7-trifluoro-4-methyl-1,7,7-trinitro-3,5-dioxoheptane
MAN	6.0439	methylammonium nitrate
MDF	9.1510	mild detonating fuse or fuze
MEDINA	3.0674	CH ₄ N ₄ O ₄ , methylene dinitramine
MEN-II	10.0414	C _{2.06} H _{7.06} N _{1.33} O _{3.10}
MF	6.0467	1,1,7-trifluoro-1,7,7-trinitro-3,5-dioxoheptane
MF	8.0711	mercury fulminate, Hg(ONC) ₂
MFDNB	6.0467	methyl-4-fluoro-4,4-dinitrobutyrate
M-FEFO	6.0467	1,7-difluoro-4-(1-oxomethyl)-1,1,7,7-tetranitro-3,5-dioxoheptane
MFF	6.0467	1,4,4,7,7-pentafluoro-1,1,7-trinitro-3,5-dioxoheptane
Minol 2	4.0463	aluminized ammonium nitrate/TNT
MMAN	7.0374	monomethylamine nitrate
MN	5.0267	methylnitrate
MNCH	11.0086	Mononitro-Chlorohydrine
NB-40	6.0771	60 pyroxyline/40 nitroglycerine
NC	4.0005	nitrocellulose
NDAG	10.0588	Diaminoguanidinium nitrate
NDNAZ	11.0239	1-nitroso-3,3-dinitroazetidine
NF	9.0995	nitroform
NG	3.0066	nitroglycerin
NGI	7.0043	nitroglycol
Nigu	8.0577	nitroguanidine
Nitromixture	2.0648	83% nitromethane/17 2-nitropropane
NM	4.0126	nitromethane
NME	9.1019	nitromethane
NONA	5.0222	nonanitroterphenyl
NQ	7.0566	nitroguanidine
NTO	9.1001	3-nitro-1,2,4 triazole-5-one
NTODAG	10.0588	NTO-diaminoguanidinium
O	9.1236	other material
Octogen	9.1236	HMX
Octol	4.0005	78 HMX/22 TNT
Octol	6.0647	77 HMX/23 TNT
Octol	9.0069	64 RDX/36 TNT
Octol 75/25	10.0307	75 HMX/25 TNT
Octol-A	5.0280	80 HMX/20 TNT/1 Wax
Octol-B	5.0280	70 HMX/30 TNT/1 Wax
Octorane 86A	9.1047	84 HMX/16 PU
ORA 86	9.1008	86 HMX/14 inert binder
ORA86B	11.0385	86 HMX/14 PU
OTTO	6.0467	1,1,1,7,7,13,13,13-octafluoro-4,4,10,10-tetranitro-2,6,8,12-tetraoxotridecane
P2100 B	8.0626	88 HMX/12 HTPB
PA	3.0700	picric acid
PB	5.0139	hydroxyterminated polybutadiene
PB	8 1132	polybutadiene
PBH-9D	9.0144	HMX, plastic bonded

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
PBX-0280	9.1463	95 RDX/5 Estane
PBX-0280/PE	9.1463	95 RDX/5 polyethylene
PBX-1	10.0956	RDX/single cast-cured non-energetic binder
PBX-2	10.0956	TATB/HMX/HTPB binder
PBX-9007	10.0415	$C_{1.97}H_{3.22}N_{2.43}O_{2.44}$
PBX-9010	4.0005	90 RDX/10 Kel-F
PBX-9010	9.1082	90 HMX/10 Kel-F 800
PBX-9011	4.0005	90 HMX/10 Estane
PBX-9205	5.0599	92 RDX/6 polystyrene/2 dioctyl phthalate
PBX-9404	5.0060	94 HMX/3 nitrocellulose/3 tris- β -chloroethyl phosphate
PBX-9404-03	4.0005	94 HMX/3 NC/3 CEF
PBX-9407	7.0928	94 RDX/6 EXON 461
PBX-9501	6.0647	95 HMX/2.5 Estane/1.25 BDNPA/1.25 BDNPF
PBX-9502	7.0052	95 TATB/5 Kel-F 800 (formerly X-0290)
PBX-9503	8.1106	80 TATB/15 HMX/5 Kel-F 800
PBXC-117	9.1236	71 RDX/17 Al/12 other
PBXC-121	9.1236	82 HMX/18 other
PBXN-103	9.1236	23 TT/40 AP/27 Al/10 other
PBXN-110	10.0732	formerly PBXW-113 II
PBXN-111	10.0732	formerly PBXW-115
PBXN-5	7.0928	95 HMX/5 Viton A
PBXN-9	11.0077	92 HMX(1.2:1 Class 1:5)/6 dioctyl adipate
PBXW	8.0883	RDX/inert binder
PBXW-106 E	9.1236	75 RDX/18 BDNPA-F/7 other
PBXW-108 I	9.1236	85 RDX/15 other
PBXW-109 E	9.1236	64 RDX/20 Al/16 other
PBXW-109 I	9.1236	65 RDX/20 Al/15 other
PBXW-113 II	9.1236	68 HMX/12 other
PBXW-114 II	9.1236	78 HMX/10 Al/12 other
PBXW-115	9.0806	20 RDX/43 AP/25 Al/12 HTPB
PBXW-121	10.0732	NTO/Al/HTPB/RDX
PBXW-122	10.0732	NTO/AP/Al/HTPB/RDX
PBXW-123	10.0063	aluminum/AP/TMETN (ratios not specified)
PBXW-7	9.0106	36 RDX/60 TATB/5 Viton A
Pc	3.0323	Primacord
PCP	10.0095	polycaprolactone
PE	6.0543	86 PETN/14 wax
PE 4	8.0265	88 RDX/12 plasticizer
PE 6	5.0139	6-polyethylene
PE4	10.0089	88 RDX/12 grease
PEG	10.0095	polyethylene glycol
Pentanex	6.0546	45 PETN/37 AN/2 glycol/15.5 water/0.5 guar
Pentolite	1.0014	50 PETN/50 TNT
PETN	3.0012	pentaerythritol tetranitrate
PGDN	11.0086	1,2 Propylene glycodinitrate
PHX31	9.0963	85 RDX/15 Cariflex 1107
Picratol	10.0415	52 EXP-D/48 TNT
PN	11.0086	Propylnitrate
Polystyr	4.0005	polystyrene

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
PSC	11.0013	propagation of surfaces under curvature
PSF	9.0822	polysulfone
PTFE	6.0626	polytetrafluoroethylene
PU	11.0385	polyurethane binder
PVA	2.0712	polyvinyl alcohol
PYX	8.1106	2,6-bis(picrylamino)-3,5-dinitropyridine
QMAN	6.0439	tetramethylammonium nitrate
RB-100 - 90	10.0803	aluminum/AP/HMX/PEG/microballoons
RDX	5.0222	cyclotrimethylenetrinitramine
RDX	7.0928	1,3,5-trinitro 1,3,5-tetrazacyclohexane
Reolit	4.0435	slurry with 62.6% nitrate/25% TNT/12% water/0.4% guar
REX-20	6.0467	2,2,2-trifluoroethyl-4-fluoro-4,4-dinitrobutyrate
RGPA	8.0265	70 RDX/19 plasticizer/5.5 polyurethane/5.5 ?
Rowanex 1001	11.0273	88 HMX/12 HTPB
Rowanex 1301	11.0273	20 RDX/44.5 AP/25 Al/10.5 HTPB
Rowanex 1400	11.0273	66 RDX/22 Al/12 HTPB
Rowanex 2000	11.0273	92 HMX/8 HTPB
RT 60/40Type A	11.0273	60 RDX/40 TNT + 1wax
RX-03-BB	7.0488	92.5 TATB/7.5 Kel-F (new name is LX-17)
RX-04-AT	4.0005	88 HMX/12 carborane-fluorocarbon copolymer
RX-04-AU	5.0139	92 HMX/8 Viton
RX-04-AV	4.0005	92 HMX/8 PE
RX-04-BM	5.0139	81.6 HMX/4 Al/14.4 Viton
RX-04-BN	5.0139	79 HMX/6.6 Al/14.3 Viton
RX-04-BO	5.0139	72.7 HMX/13.3 Al/14.0 Viton
RX-04-BT	5.0139	76 HMX/10 LiF/14 Viton
RX-04-BY	4.0005	86 HMX/14 FNR
RX-04-DS	5.0139	81 HMX/9.9 Al/9.1 Viton
RX-04-P1	4.0005	80 HMX/20 Viton
RX-05-AA	4.0005	80 RDX/8 polystyrene/2 DOP
RX-08-EL	9.1312	73 HMX/25 FEFO/1 PCL 240/other
RX-08-FL	9.0007	75.9 HMX/22.2 FEFO/1.9 polyvinyl binder
RX-08-GB	9.0026	61 HMX/36 FEFO/3.1 urethane
RX-08-GG	9.0026	61 HMX/36 FEFO/3.1 urethane
RX-08-HD	11.0423	73.6% HMX/19.9 % TMETN
RX-09-AA	4.0005	93.7 HMX/5.7 DNPA/0.6 EtDP
RX-11-AF	5.0139	52 HMX/43 KP/5 PE
RX-11-AI	5.0139	52 HMX/43 KP/5 PE
RX-11-AJ	5.0139	52 HMX/43 KP/5 PE
RX-11-AW	5.0139	51 HMX/35 KP/14 PB
RX-11-AX	5.0139	51 HMX/35 KP/14 PB
RX-11-AY	5.0139	33.4 HMX/53.4 KP/13.2 PB
RX-11-AZ	5.0139	33.4 HMX/53.4 KP/13.2 PB
RX-11-BA	5.0139	51 HMX/39 AP/10 Viton
RX-18-AB	5.0139	51 HMX/20 AP/29 EDNP
RX-18-AE	5.0139	51 HMX/20 AP/29 EDNP
RX-18-AG	5.0139	51 HMX/20 AP/29 EDNP
RX-18-AH	5.0139	71 HMX/29 EDNP
RX-18-AJ	5.0139	52.6 HMX/34.7 KP/12.7 PB

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
RX-18-BA	5.0139	31 HMX/45 KP/24 EDNP
RX-22-AG	5.0139	73.6 HMX/26.4 LP
RX-23-AA	6.0712	79 hydrazine nitrate/21 hydrazine
RX-23-AB	6.0712	70 hydrazine nitrate/5.9 hydrazine/24.1 water
RX-23-AC	6.0712	30 hydrazine nitrate/70 hydrazine
RX-25-AA	5.0139	22 HMX/58 AP/10 Al/10 Viton
RX-25-BF	9.0526	38 HMX/36 AP/22 ZrH ₂ /4 Estane
RX-25-BH	9.0526	19 HMX/47 AP/30 ZrH ₂ /4 Estane
RX-25-BP	9.0526	38 HMX/36 AP/22 ZrH ₂ /4 Estane
RX-25-BQ	9.0526	38 HMX/36 AP/22 ZrH ₂ /4 Estane
RX-26-AF	7.0059	49.3 HMX/46.6 TATB/4.1 Estane
RX-30-AA	6.0731	60.8 AP/38 NM/1.2 guar
RX-30-AB	6.0731	61.1 AP/37.9 NM/1 guar
RX-30-AC	6.0731	47.6 KP/50.8 NM/1.6 guar
RX-30-AD	6.0731	47.1 KP/51.3 NM/guar 1.6
RX-30-AE	6.0731	57.9 AN/40.8 NM/1.3 guar
RX-30-AF	6.0731	57.9 AN/40.8 NM/1.3 guar
RX-31-AA	6.0731	28.8 AN/47 NM/22.8 Al/1.4 guar
RX-31-AB	6.0731	43.2 AN/47 NM/8.3 Al/1.5 guar
RX-35-AP	9.1313	60 HMX/40 NG, TA, PEG binder
RX-36-AA	8.1020	1 HMX/1 TATB/1 BTF, note mole ratios
RX-36-AB	8.1020	1 TATB/1 BTF, note mole ratios
RX-36-AC	8.1020	4 HMX/1 TATB/1 BTF, note mole ratios
RX-36-AD	8.1020	1 HMX/3 TATB/1 BTF, note mole ratios
RX-36-AE	8.1020	1 HMX/1 BTF, note mole ratios
RX-36-AF	8.1020	1 HMX/1 TATB, note mole ratios
RX-36-AG	8.1020	1 HMX/1 TATB/3 BTF, note mole ratios
RX-40-AA	10.0629	95 PETN/5 Al(5 μm)
RX-40-AB	10.0629	90 PETN/10 Al(5 μm)
RX-40-AC	10.0629	80 PETN/20 Al(5 μm)
RX-40-AF	10.0629	95 PETN/5 Al(18 μm)
RX-40-AG	10.0629	90 PETN/10 Al(18 μm)
RX-40-AH	10.0629	80 PETN/20 Al(18 μm)
RX-40-CA	10.0629	95 TNT/5 Al(5 μm)
RX-40-CB	10.0629	90 TNT/10 Al(5 μm)
RX-40-CF	10.0629	95 TNT/5 Al(18 μm)
RX-40-CG	10.0629	90 TNT/10 Al(18 μm)
RXAC	8.0802	70 hydrazine/30 hydrazine nitrate
S-2	9.1236	63 RDX/22 TNT/15 Al
SCB	11.0136	small scale cook-off bomb
SPIS-44	7.0620	20 HMX/49 AP/21 Al/10 binder
SRI-1	6.0467	1,1,1-trifluoro-4,4,4-trinitro-2-oxobutane
SRI-2	6.0467	1,1,1,4-tetrafluoro-4,4-dinitro-2-oxobutane
SRI-3	6.0468	1,1,1-trifluoro-4,4-dinitro-2-oxopentane
SRI-4	6.0468	1,1,1,7,7,7-hexafluoro-4,4-dinitro-2,6-dioxoheptane
SRI-5	6.0468	1-fluoro-1,1,3,3-tetranitro-5-oxohexane
Startex	4.0435	60% DiTeU/20% nitrates, 17.5% water/2% hydrocarbons/0.5% guar
s-TCB	7.0425	symmetrical 1,3,5-trichlorobenzene (precursor to TATB)
SW-21	10.0732	Fine HMX/Other

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
SX-2	6.0493	RDX/filler, sheet explosive
SYEP	6.0468	4,4-bis(difluoramino)-1,7-difluoro-1,1,7,7-tetranitro-3,5-dioxoheptane
T	7.0697	95.5 TATB/4.5 Viton
T1	8.0151	95.5 TATB/?
T2	8.0151	97 TATB/?
TA	2.0659	triacetin
TACOT	10.0416	C ₁₂ H ₄ N ₈ O ₈
TATB	6.0659	1,3,5-triamino-2,4,6-trinitrobenzene
TBP	9.1236	tris-β-chloroethyl phosphate
TCE	7.0374	trichloroethylene
TCTNB	7.0425	1,3,5-trichloro-2,4,6-trinitrobenzene (precursor for TATB)
TDI	8.0363	toluenediisocyanate
TDPF	6.0468	1,1,1,13,13,13-hexafluoro-4,4,10,10-tetranitro-2,6,8,12-tetraoxotridecane
TEDNCP	10.0157	derivative of cyclotriphosphazene
Tetryl	6.0427	N-methyl-N-nitro-2,4,6-trinitroaniline
TFA	6.0468	1,7-difluoro-1,1,7,7-tetranitro-4-trifluoromethyl-3,5-dioxoheptane
TFMA	6.0468	1-fluoro-1,1-dinitro-4-trifluoromethyl-3,5-dioxohexane
TFMDA	6.0468	1-fluoro-4-difluoronitromethyl-1,1-dinitro-4-trifluoromethyl-3,5-dioxoheptane
TFMFF	6.0468	1,1,1,4,4,7-hexafluoro-7,7-dinitro-3,5-dioxoheptane
TFNA	8.0802	1,1,1-trifluoro-3,5,5-trinitro-3-azahexane
TGDN	11.0086	Triethylene Glycoldinitrate
TMETN	3.0813	trimethylolethane trinitrate
TNA	8.0746	trinitroaniline, picramide
TNAZ	11.0239	1,3,3-trinitroazetidine
TNB	3.0066	1,3,5 trinitrobenzene
TNB	11.0491	2,4,6 trinitrobenzene
TNETB	3.0070	2,2,2-trinitroethyl-4,4,4-trinitrobutyrate
TNM	4.0126	tetranitromethane
TNT	3.0066	2,4,6-trinitrotoluene
TNTAB	8.0802	1,3,5-triazido-2,4,6-trinitrobenzene
TO	9.1001	1,2,4-triazole-5-one
Torpex	4.0463	aluminized RDX/TNT
Torpex 2B	8.0265	42 RDX/40 TNT/18 Al/5 desensitizer
TPH12076	9.1061	Al/AP/HTPB
Tritonal	2.0735	80 TNT/20 Al
Trotyl	9.1236	TNT
TS3659	9.0297	79.9 NC/21.6 NG
TT	9.1236	trimethylolethane trinitrate
TTF	6.0468	1,1,1-trifluoro-7,7,7-trinitro-3,5-dioxoheptane
TZL-4	9.0232	1,5-dinitro-tetrazole
TZX	10.0588	3,6-diaminotetrazin-1,4-dioxide
UFD	9.0407	ultrafine diamonds
UGS	9.1062	20 DBP/5 Al/65 Na ₂ SO ₄ /9 HDAP
UP	6.0450	ureamonoperchlorate
UPS	6.0450	90 wt% aqueous solution of UP
VCCT	11.0428	Variable confinement cook of test
VID	11.0171	Viscous Internal Damage model
Viton	5.0139	vinylidene fluoride-hexafluoropropylene copolymer
WAK2	9.1062	Al/HMX/AP

D. Acronym and Code Name Index (Continued)

Name	Sy.Pg	Makeup
WBL	11.0012	Witham Bidzil Lamborn detonation model
WC 140	9.0297	98 NC
WC 231	8.0883	75 NC/25 NG "commercial reloading powder"
WC 231	9.0297	74.8 NC/25.2 NG
WG-2	6.0546	MMAN-sensitized watergel explosive 7% Al
WG-4	6.0546	MMAN-sensitized watergel explosive 13% Al
X-0204	4.0005	83 HMX/17 Teflon
X-0219	6.0647	90 TATB/10 Kel-F 800
X-0233	8.0979	85.48 tungsten/13.22 HMX/0.8 polystyrene/0.5 DOP
X-0242	9.1015	94 HMX/3 Estane/5 eutectic
X-0242-92-04-04	11.0077	92 HMX (3:1 Class 1:2)/4 Estane/4BDNPA-F
X-0290	6.0637	95 TATB/5 Kel-F 800 (changed to PBX 9502)
X-0319	7.0567	50 TATB/45 HMX/5 Kel-F 800
X-0320	7.0567	60 TATB/35 HMX/5 Kel-F 800
X-0321	7.0567	75 TATB/20 HMX/5 Kel-F 800
X-0341	7.0567	90.25 TATB/4.75 HMX/5 Kel-F 800
X-0342	7.0567	85.5 TATB/9.5 HMX/5 Kel-F 800
X-0343	7.0567	80.75 TATB/14.25 HMX/5 Kel-F 800
X-0344	7.0567	71.25 TATB/23.75 HMX/5 Kel-F 800
X-0407	8.0123	70 TATB/25 PETN/5 Kel-F
X-0420	9.0487	94 DINGU/5 Exon/1 titanate
X-0430	9.1015	88 HMX/6 Kraton/6 Tufflo oil
X-0432	9.0487	57 DINGU/43 TNT
X-0444	9.1015	88 HMX/6 Estane/6 eutectic
X1	8.0151	96 HMX/?
XLDB	10.0115	HMX/AP/Al/energetic binder
XM39	9.0539	76 RDX/15 NG/12 CAB/8 ATEC
CTX-8003	6.0647	80 PETN/20 silicone rubber
CTX-8004	10.0418	80 RDX/20 Sylgard 182
Z TACOT	8.0528	C ₁₂ H ₄ N ₈ O ₈
ZOX	9.0995	zero-oxygen-balance explosive
ZOX	9.0995	2,2,2-trinitro ethyl-N-nitroethylenediamine
ZPCP	9.1083	azidopentamine cobalt (III) perchlorate