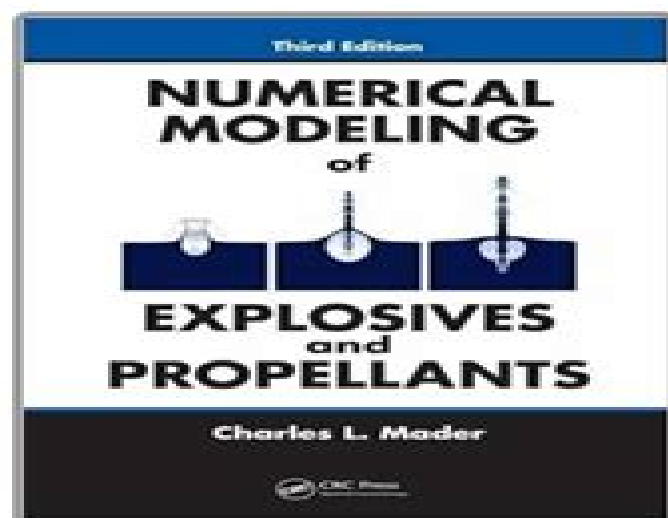


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Numerical Modeling of Explosives and Propellants, Second Edition Charles L. Mader, 1997-08-29 Charles Mader a leading scientist who conducted theoretical research at Los Alamos National Laboratory for more than 30 years sets a new standard with this reference on numerical modeling of explosives and propellants This book updates and expands the information presented in the author's landmark work Numerical Modeling of Detonations published in 1979 and still in use today Numerical Modeling of Explosives and Propellants incorporates the considerable changes the personal computer has brought to numerical modeling since the first book was published and includes new three dimensional modeling techniques and new information on propellant performance and vulnerability Both an introduction to the physics and chemistry of explosives and propellants and a guide to numerical modeling of detonation and reactive fluid dynamics Numerical Modeling of Explosives and Propellants offers scientists and engineers a complete picture of the current state of explosive and propellant technology and numerical modeling The book is richly illustrated with figures that support the concepts and filled with tables for quick access to precise data The accompanying CD ROM contains computer codes that are the national standard by which modeling is evaluated Dynamic material properties data files and animation files are also included There is no other book available today that offers this vital information

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Test Methods for Explosives Muhamed Sukeska, 2012-12-06 It seems that there is no book that treats the measurement of the physical parameters of explosives as its only subject although limited information is available in a number of books Therefore I have tried to bridge this gap in the literature with this book A large number of various physical parameters have to be determined experimentally in order to test or characterise an explosive Various physical principles have been applied for such measurements Accordingly a large number of different experimental methods exist as well as various testing apparatuses and procedures On the other hand great progress has been made recently in the study of detonation phenomena New measuring techniques can assess extremely short processes to below nanoseconds scale They make it possible to determine important parameters in detonation physics I have made a great attempt to cover the available literature data on the subject Because it would be a highly demanding task to include in a single volume all the methods that are in use by various testing agencies I have tried to give primarily the principles for determination of individual physical parameters of explosives by different measuring methods as well as data treatment procedures

Guide to Information Sources in the Forensic Sciences Cynthia Holt, 2006 Thanks to the O J Simpson case not to mention the overwhelming success of the CSI franchise the general public is both aware of and curious about the world of forensics i.e. the investigation and establishment of facts or evidence in a court of law The forensic sciences incorporate the application of principles and methods from a cadre of specialized scientific and technical disciplines to a vast array of criminal and civil legal questions To this end Cynthia Holt has compiled a comprehensive bibliography of resources recommended to support research in the forensic sciences and its various subspecialties Holt's introductory chapter clarifies the distinctions between the major forensic sciences specialties in addition it provides an overview of the hierarchy of various classification systems for the forensics literature The bibliography itself is grouped by type of material e.g. journals abstracts and indexes books Topics include ballistics DNA analysis etymology expert witnessing and facial imaging reconstruction as well as contributions from academic fields such as anthropology linguistics and engineering Tools are primarily in English with a few non English titles included for reasons of significance With a preface by Professor Moses S Schanfield Chair of the Department of Forensic Sciences at George Washington University

Shock Compression of Condensed Matter--2007 Mark Elert, 2007

Indian Journal of Engineering and Materials Sciences, 2005

Hydrazine and Its Derivatives Eckart Walter Schmidt, 2001

The Cumulative Book Index, 1998 A world list of books in the English language

[30th AIAA/ASME/SAE/ASEE Joint Propulsion Conference](#), 1994

Proceedings of International Seminar, Force Multiplier Technologies for Naval and

Land Warfare October 13-15, 1999, Vigyan Bhawan, New Delhi ,1999 Contributed articles presented at the Seminar
Shock Compression of Condensed Matter - 2001 Michael D. Furnish,Naresh N. Thadhani,Yasuyuki Horie,2002 This collection of 336 papers discusses recent research on the response of inert and energetic materials to high pressure environments produced by rapid loading phenomena This includes theoretical computational modeling simulation and experimental studies of inert and energetic materials as well as ballistic and material synthesis studies and advances in experimental techniques All papers have been peer reviewed *Journal of Scientific & Industrial Research* ,1989 **41st AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit 10-13 July 2005, Tucson, Arizona: 05-4000 - 05-4049** ,2005 **Shock Compression of Condensed Matter--1995** S. C. Schmidt,William C. Tao,1996 Proceedings of the Conference of the American Physical Society Topical Group on shock compression of condensed matter

This book delves into Numerical Modeling Of Explosives And Propellants. Numerical Modeling Of Explosives And Propellants is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Numerical Modeling Of Explosives And Propellants, encompassing both the fundamentals and more intricate discussions.

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 - Chapter 2: Essential Elements of Numerical Modeling Of Explosives And Propellants
 - Chapter 3: Numerical Modeling Of Explosives And Propellants in Everyday Life
 - Chapter 4: Numerical Modeling Of Explosives And Propellants in Specific Contexts
 - Chapter 5: Conclusion
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 3. In chapter 2, this book will delve into the foundational concepts of Numerical Modeling Of Explosives And Propellants. The second chapter will elucidate the essential principles that must be understood to grasp Numerical Modeling Of Explosives And Propellants in its entirety.
 4. In chapter 3, the author will examine the practical applications of Numerical Modeling Of Explosives And Propellants in daily life. This chapter will showcase real-world examples of how Numerical Modeling Of Explosives And Propellants can be effectively utilized in everyday scenarios.
 5. In chapter 4, this book will scrutinize the relevance of Numerical Modeling Of Explosives And Propellants in specific contexts. This chapter will explore how Numerical Modeling Of Explosives And Propellants is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, this book will draw a conclusion about Numerical Modeling Of Explosives And Propellants. This chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Numerical Modeling Of Explosives And Propellants.

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