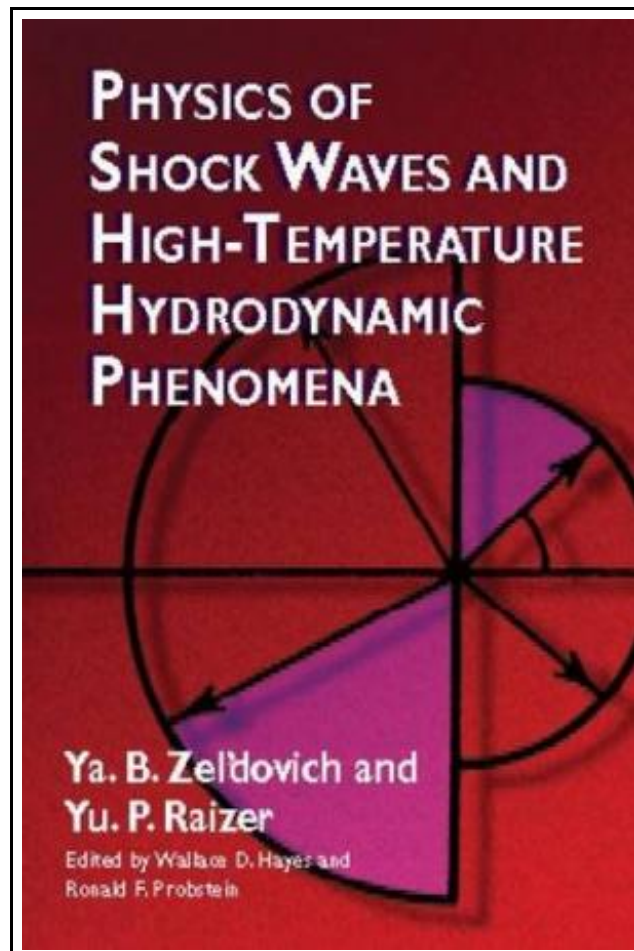


Physics of Shock Waves and High-Temperature Hydrodynamic Phenomena (Dover Books on Physics)



Filesize: 8.63 MB

Reviews

This ebook may be worth purchasing. it absolutely was writtern extremely completely and useful. You will not truly feel monotony at whenever you want of your respective time (that's what catalogs are for relating to when you ask me).

(Idella Halvorson)

PHYSICS OF SHOCK WAVES AND HIGH-TEMPERATURE HYDRODYNAMIC PHENOMENA (DOVER BOOKS ON PHYSICS)

DOWNLOAD



Dover Publications, 2002. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface to the Dover Edition Editors' Foreword Preface to the English Edition Preface to the First Russian Edition Preface to the Second Russian Edition I. Elements of gasdynamics and the classical theory of shock waves 1. Continuous flow of an inviscid nonconducting gas 1. The equations of gasdynamics 2. Lagrangian coordinates 3. Sound waves 4. Spherical sound waves 5. Characteristics 6. Plane isentropic flow. Riemann Invariants 7. Plane isentropic gas flow in a bounded region 8. Simple waves 9. Distortion of the wave form in a traveling wave of finite amplitude. Some properties of simple waves 10. The rarefaction wave 11. The centered rarefaction wave as an example of self-similar gas motion 12. On the impossibility of the existence of a centered compression wave 2. Shock waves 13. Introduction to the gasdynamics of shock waves 14. Hugoniot curves 15. Shock waves in a perfect gas with constant specific heats 16. Geometric interpretation of the laws governing compression shocks 17. Impossibility of rarefaction shock waves in a fluid with normal thermodynamic properties 18. Weak shock waves 19. Shock waves in a fluid with anomalous thermodynamic properties 3. Viscosity and heat conduction in gasdynamics 20. Equations of one-dimensional gas flow 21. Remarks on the second viscosity coefficient 22. Remarks on the absorption of sound 23. The structure and thickness of a weak shock front 4. Various problems 24. Propagation of an arbitrary discontinuity 25. Strong explosion in a homogeneous atmosphere 26. Approximate treatment of a strong explosion 27. Remarks on the point explosion with counterpressure 28. Sudden isentropic expansion of a spherical gas cloud into vacuum 29. Conditions for the self-similar sudden expansion of a gas cloud into vacuum II. Thermal radiation and radiant heat...



[Read Physics of Shock Waves and High-Temperature Hydrodynamic Phenomena \(Dover Books on Physics\) Online](#)



[Download PDF Physics of Shock Waves and High-Temperature Hydrodynamic Phenomena \(Dover Books on Physics\)](#)

Related Kindle Books



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

[Read Book »](#)



The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB...

[Read Book »](#)



Maisy's Christmas Tree

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is...

[Read Book »](#)



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

[Read Book »](#)



The Right Kind of Pride: A Chronicle of Character, Caregiving and Community (Paperback)

Right Kind of Pride, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After 20 years of marriage author Christopher Cudworth and his...

[Read Book »](#)