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High-Energy-Density Physics -

R Paul Drake 2018-01-02

The raw numbers of high-energy-density physics are amazing: shock waves at hundreds of km/s (approaching a million km per hour), temperatures of millions of degrees, and pressures that exceed 100 million atmospheres. This title surveys the production of high-energy-density conditions, the fundamental plasma and hydrodynamic models that can describe them and the problem of scaling from the laboratory to the cosmos. Connections to astrophysics are discussed throughout. The book is intended to support coursework in high-energy-density physics, to meet the needs of new researchers in this field, and also to serve as a useful reference on the fundamentals. Specifically the book has been designed to enable academics in physics,

astrophysics, applied physics and engineering departments to provide in a single-course, an introduction to fluid mechanics and radiative transfer, with dramatic applications in the field of high-energy-density systems. This second edition includes pedagogic improvements to the presentation throughout and additional material on equations of state, heat waves, and ionization fronts, as well as problem sets accompanied by solutions.

A Level Physics Multiple Choice Questions and Answers

(MCQs) - Arshad Iqbal

2019-05-17

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**Learning from Shanghai** - Charlene Tan 2012-11-27  
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Mothers, Dragon Children.  
Drawing on her experience as an education professional and a teacher of teachers, Charlene Tan thoroughly examines and analyzes the people, the policies and the practices that distinguish Shanghai educators. The contents include comprehensive details on the Shanghai approach to quality education, from discussion of the balance between centralization and decentralization, to school autonomy and accountability, to testing policy and professional development for teachers. The book includes detailed tables on curriculum and school performance targets, sample appraisal forms for teachers and students, and dozens of photographs. The author is an Associate Professor at the National Institute of Education, Nanyang Technological University, Singapore.

Choosing Your A Levels - Cerys Evans 2012-08-21

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