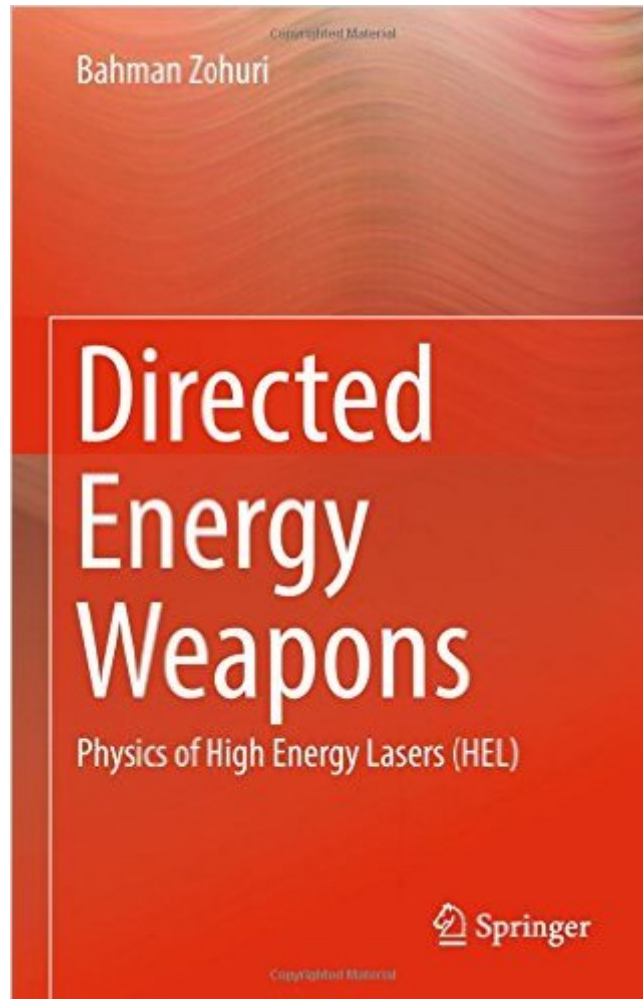


The book was found

Directed Energy Weapons: Physics Of High Energy Lasers (HEL)



Synopsis

This book delves deeply into the real-world technologies behind the "directed energy weapons"™ that many believe exist only within the confines of science fiction. On the contrary, directed energy weapons such as high energy lasers are very real, and this book provides a crash course in all the physical and mathematical concepts that make these weapons a reality. Written to serve both scientists researching the physical phenomena of laser effects, as well as engineers focusing on practical applications, the author provides worked examples demonstrating issues such as how to solve for heat diffusion equation for different boundary and initial conditions. Several sections are devoted to reviewing and dealing with solutions of diffusion equations utilizing the aid of the integral transform techniques. Ultimately this book examines the state-of-the-art in currently available high energy laser technologies, and suggests future directions for accelerating practical applications in the field.

Book Information

Hardcover: 816 pages

Publisher: Springer; 1st ed. 2016 edition (August 30, 2016)

Language: English

ISBN-10: 331931288X

ISBN-13: 978-3319312880

Product Dimensions: 6.1 x 1.8 x 9.2 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #932,050 in Books (See Top 100 in Books) #165 in Books > Science & Math > Physics > Light #1497 in Books > Textbooks > Engineering > Mechanical Engineering #1670 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction

[Download to continue reading...](#)

Directed Energy Weapons: Physics of High Energy Lasers (HEL) The Self Directed IRA Handbook: An Authoritative Guide For Self Directed Retirement Plan Investors and Their Advisors Group Theory for the Standard Model of Particle Physics and Beyond (Series in High Energy Physics, Cosmology and Gravitation) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) Directed by Dorothy Arzner (Women Artists in Film) Directed by Purpose: How to Focus on Work That Matters, Ignore

Distractions and Manage Your Attention over the Long Haul (Six Simple Steps to Success Book 5)
Sterling Test Prep GRE Physics Practice Questions: High Yield GRE Physics Questions with
Detailed Explanations Sterling Test Prep MCAT Physics Practice Questions: High Yield MCAT
Physics Questions with Detailed Explanations Conceptual Physics : The High School Physics
Program Sterling Test Prep SAT Physics Practice Questions: High Yield SAT Physics Questions
with Detailed Explanations Principles of Lasers (Library) Diode Lasers and Photonic Integrated
Circuits ISO/TR 11146-3:2004, Lasers and laser-related equipment - Test methods for laser beam
widths, divergence angles and beam propagation ratios - Part 3: ... propagation and details of test
methods ISO 11146-2:2005, Lasers and laser-related equipment - Test methods for laser beam
widths, divergence angles and beam propagation ratios - Part 2: General astigmatic beams
American National Standard for Safe Use of Lasers in Health Care ANSI Z136.3 - 2011 Renewable
Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy
Sources Gardening For Entrepreneurs: Gardening Techniques For High Yield, High Profit Crops
(Farming For Profit, Gardening For Profit, High Yield Gardening) Learning Game Physics with Bullet
Physics and OpenGL McGraw-Hill Education SAT Subject Test Physics 2nd Ed. (Mcgraw-Hill's Sat
Subject Test Physics)

[Dmca](#)