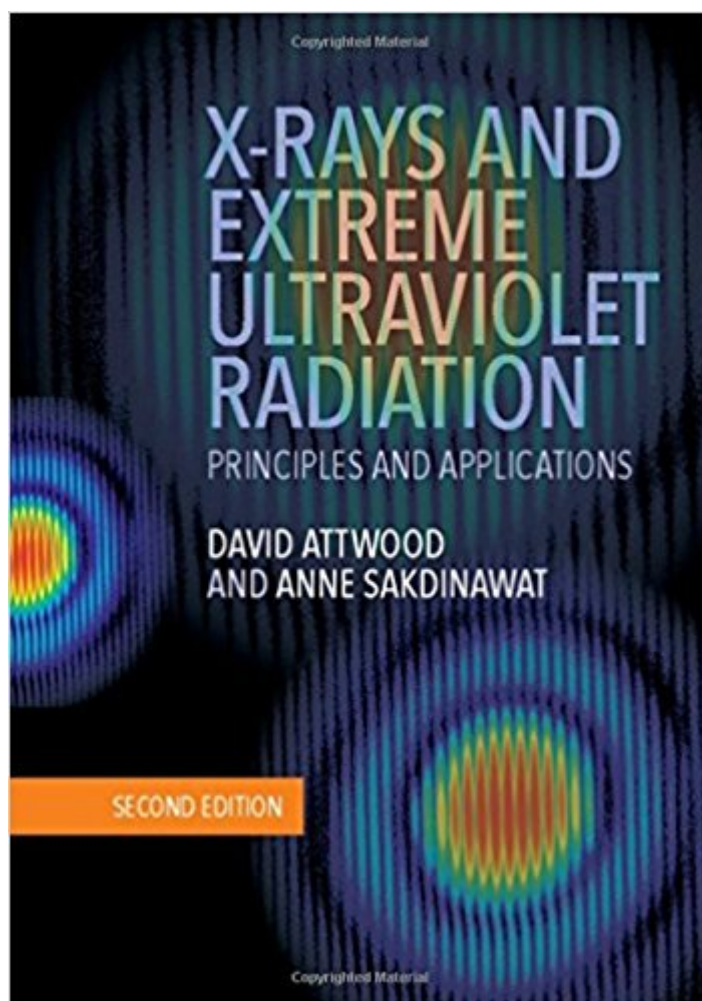


The book was found

X-Rays And Extreme Ultraviolet Radiation: Principles And Applications



Synopsis

With this fully updated second edition, readers will gain a detailed understanding of the physics and applications of modern X-ray and EUV radiation sources. Taking into account the most recent improvements in capabilities, coverage is expanded to include new chapters on free electron lasers (FELs), laser high harmonic generation (HHG), X-ray and EUV optics, and nanoscale imaging; a completely revised chapter on spatial and temporal coherence; and extensive discussion of the generation and applications of femtosecond and attosecond techniques. Readers will be guided step by step through the mathematics of each topic, with over 300 figures, 50 reference tables and 600 equations enabling easy understanding of key concepts. Homework problems, a solutions manual for instructors, and links to YouTube lectures accompany the book online. This is the 'go-to' guide for graduate students, researchers and industry practitioners interested in X-ray and EUV interaction with matter.

Book Information

Hardcover: 652 pages

Publisher: Cambridge University Press; 2 edition (March 30, 2017)

Language: English

ISBN-10: 1107062896

ISBN-13: 978-1107062894

Product Dimensions: 6.8 x 1.3 x 9.7 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #279,830 in Books (See Top 100 in Books) #11 in Books > Engineering &

Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #142

in Books > Science & Math > Physics > Nuclear Physics #921 in Books > Textbooks > Science & Mathematics > Physics

Customer Reviews

'A very clear, comprehensive and updated presentation of the basic physical properties and applications of XUV and X-ray radiation. I highly recommend the book for graduate students and anyone working in this fast growing field of research.' Claudio Pellegrini, University of California, Los Angeles, SLAC

Master the physics and understand the current applications of modern X-ray and EUV sources with

this comprehensive yet mathematically accessible guide. This second edition includes entirely new material on free electron lasers, laser high harmonic generation, X-ray and EUV optics, nanoscale imaging, and femtosecond and attosecond techniques.

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

X-Rays and Extreme Ultraviolet Radiation: Principles and Applications On the linkage of solar ultraviolet radiation to skin cancer: Final report Extreme Ultraviolet Lithography (Electronics) Ultraviolet Danger: Holes in the Ozone Layer (Extreme Environmental Threats) Gray Foxes, Rattlesnakes, and Other Mysterious Animals of the Extreme Deserts (Extreme Animals in Extreme Environments) Polar Bears, Penguins, and Other Mysterious Animals of the Extreme Cold (Extreme Animals in Extreme Environments) Atoms, Radiation, and Radiation Protection Atoms, Radiation, and Radiation Protection, 2nd Edition Treatment Planning in the Radiation Therapy of Cancer (Frontiers of Radiation Therapy and Oncology, Vol. 21) (v. 21) Radiation Nation: Fallout of Modern Technology - Your Complete Guide to EMF Protection & Safety: The Proven Health Risks of Electromagnetic Radiation (EMF) & What to Do Protect Yourself & Family Cancer Nanotechnology: Principles and Applications in Radiation Oncology (Imaging in Medical Diagnosis and Therapy) Radiation Chemistry: Principles and Applications Protect Your Life in the Sun: How to Minimize Your Exposure to Ultraviolet Sunlight and Prevent Skin Cancer and Eye Disorders Ultraviolet nanoimprint lithography: Fabrication of ordered nanostructures, integrated optics and electronic devices Detection of Light: From the Ultraviolet to the Submillimeter (Cambridge Astrophysics) Detection of Light: From the Ultraviolet to the Submillimeter The Boy Who Played with Fusion: Extreme Science, Extreme Parenting, and How to Make a Star Extreme Dot-to-Dot Spectacular Places: Relax and Unwind, One Splash of Color at a Time (Extreme Art!) Leatherback Turtles, Giant Squids, and Other Mysterious Animals of the Deepest Seas (Extreme Animals in Extreme Environments) Vampire Bats, Giant Insects, and Other Mysterious Animals of the Darkest Caves (Extreme Animals in Extreme Environments)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)