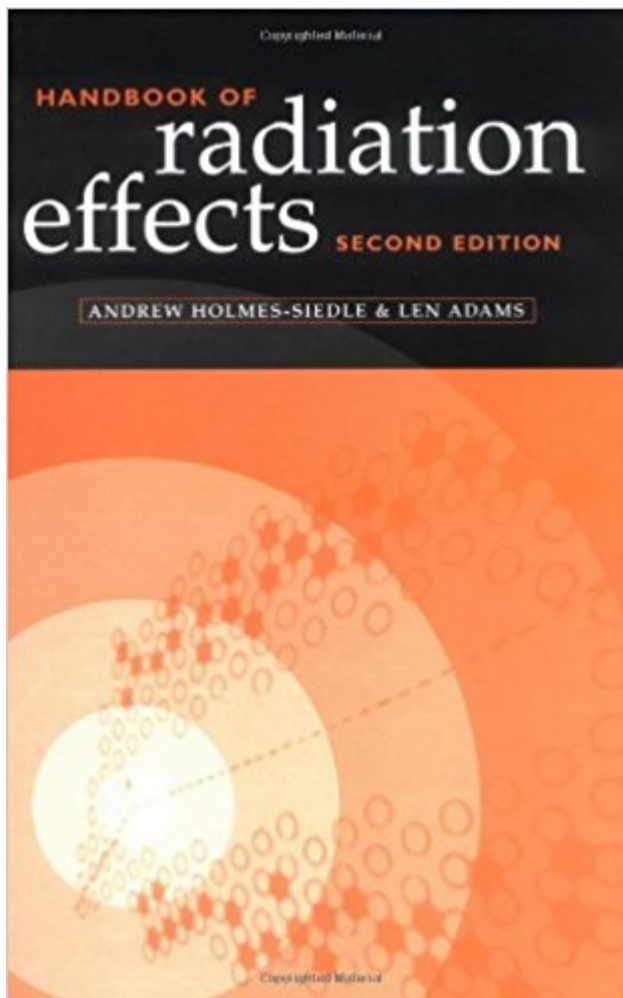




Ebook Directory
the best source of ebook

The book was found

Handbook Of Radiation Effects



Synopsis

This revised second edition of a popular handbook for engineers fills a gap in the fields of high-energy radiation environments, electronic device physics and materials. It is a straightforward account of the problems which arise when high-energy radiation bombards matter and of engineering methods for solving those problems. X-ray, electron and the 'hadron's' in CERN's new collider environments and several more are described. The impact of these environments on microelectronics in computing, data processing and communication is the core of this book. A large amount of technical data, needed to make predictions on the spot, is presented, with literature references needed for further research and also a compendium of websites which have been tested and used by the authors.

Book Information

Hardcover: 642 pages

Publisher: Oxford University Press; 2 edition (March 28, 2002)

Language: English

ISBN-10: 019850733X

ISBN-13: 978-0198507338

Product Dimensions: 9.3 x 1.5 x 6.3 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars 3 customer reviews

Best Sellers Rank: #1,291,909 in Books (See Top 100 in Books) #7 in [Books > Textbooks > Engineering > Nuclear Engineering](#) #175 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Toxicology](#) #188 in [Books > Science & Math > Physics > Nanostructures](#)

Customer Reviews

"Two scientists connected with Brunel University update their 1993 handbook for physicists and engineers. The original goal was to compile information from space environments, and those still dominate, though the environments of nuclear reactors, radiation processing, weapons, high-energy accelerators, and controlled fusion are also considered. Among other topics are measurement, responses of materials and devices, metal-oxide-semiconductor devices, bipolar transistors and integrated circuits, diodes, solar cells and optoelectronics, power semiconductors, and polymers and other organics. Biological effects are not covered. Dose units cited tend to be those used in practice--usually rad and rem--rather than the newer Gray and Sievert."--SciTech Book News

Andrew Holmes-Siedle is a physicist and consultant to Brunel University of West London, collaborating on CERN research and developing silicon devices. He previously spent over ten years working in Princeton (USA) on space and defence programmes and owns REM Oxford Ltd.. Len Adams is a consultant to Spur Electron, advising the British National Space Centre and other agencies. He is also an Associate Professor at Brunel University of West London. He recently retired from the European Space Agency in The Netherlands, where his group handled most of the radiation problems for the Agency.

This text details nearly everything one need to know for a basic understanding of radiation effects on electronic components and systems. Lots of very useful tables and graphs that are needed nearly daily by the radiation experts as well as the beginners in the field. Andy & Len have done a great job putting all this information in a very understandable format. A must reference/test for everyone in the Space Radiation business. Dr. Michael K. Gauthier, ICS RADIATION TECHNOLOGIES, INC.

Good book which details a fundamental grasp of radiation effects upon material substances, including alien skin tissue, earth based metals and holographic environments.I brought it with me when flying across the Atlantic Ocean and was startled to find out that radiation can transmute any jet engine. There's even times that it can bring a big jet down.It's a good book if you need knowledge of defeating complex alien life forms, as radiation can kill any living skin tissue or metallic matter (think robots).In all, handy for a library or someone with a passing fascination of the Dead Sea Scrolls.

Good book which details a fundamental grasp of radiation effects upon material substances, including alien skin tissue, earth based metals and holographic environments.I brought it with me when flying across the Atlantic Ocean and was startled to find out that radiation can transmute any jet engine. There's even times that it can bring a big jet down.It's a good book if you need knowledge of defeating complex alien life forms, as radiation can kill any living skin tissue or metallic matter (think robots).In all, handy for a library or someone with a passing fascination of the Dead Sea Scrolls.

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

Handbook of Radiation Effects (Oxford Science Publications) Handbook of Radiation Effects

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 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) Medical Effects of Ionizing Radiation Reliability and Radiation Effects in
Compound Semiconductors Stress Effects: A fascinating look at the effects of stress on breathing
patterns, gut microbiome, adrenals and addiction. Introduction to Guitar Tone & Effects: A Manual
for Getting the Best Sounds from Electric Guitars, Amplifiers, Effects Pedals & Processors The After
Effects Illusionist: All the Effects in One Complete Guide The Sound Effects Bible: How to Create
and Record Hollywood Style Sound Effects Compositing Visual Effects in After Effects: Essential
Techniques Handbook of Evidence-Based Radiation Oncology RF Radiation Safety Handbook
Handbook of Biological Effects of Electromagnetic Fields CRC Handbook of Biological Effects of
Electromagnetic Fields Milady's Aesthetician Series: Common Drugs and Side Effects: A Handbook
for the Aesthetician Nuclear Danger - An Inconvenient Discovery: Americans Are Vulnerable To
Nuclear Radiation Radiation Protection and Dosimetry: An Introduction to Health Physics

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)