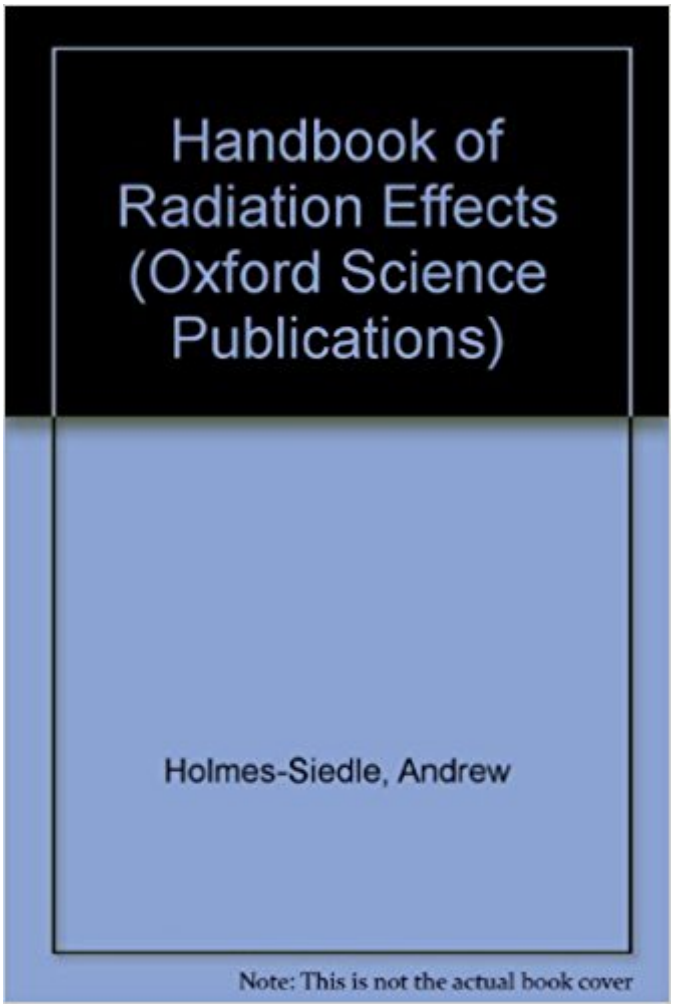
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Handbook Of Radiation Effects (Oxford Science Publications)



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Synopsis

This handbook is intended for engineers and designers of tools and scientific equipment intended for operation in environments where radiation is present, for example in uranium mines or in outer space, or at the site of nuclear weapons testing, radiation therapy, or industrial sterilization processes involving radioactive energy sources. The Handbook of Radiation Effects lucidly covers radiation physics and its impact on solid-state physics structures and electronics, with explanations that are accessible to readers without advanced scientific training. The book should serve as a valuable reference tool and introduction to the plentiful, if often baffling, treatises on radiation effects for engineers and students interested in practical applications.

Book Information

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Customer Reviews

’Compiled by two highly experienced researchers... Advanced training is not necessary in understanding the material... Excellent collection of references for each of the 15 chapters.’

Andrew Holmes-Siedle, Consultant and Project Manager, BNF-Fulmer Materials Centre, Wantage, Oxon; Owner of REM, Oxford. Len Adams, Head, Radiation Effects Unit, European Space Agency-ESTEC.

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.

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