



# Electron Irradiation Effects in Cadmium Telluride and Silicon Devices

By Dr Manjunatha Pattabi

LAP Lambert Academic Publishing Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x7 mm. Neuware - Semiconductors form the backbone of all modern-day microelectronic and optoelectronic devices. These devices get exposed to various types of radiation when they are used in radiation environments. Exposure to radiation can cause degradation to the performance of these devises leading to their failure. Therefore, it is necessary to evaluate the performance of semiconductor devices under radiation environments. This monograph deals with an experimental study on the effect of 8 MeV electron irradiation on single crystalline Silicon and polycrystalline thin film Cadmium Telluride (CdTe) devices. A brief introduction to the subject is followed by experimental techniques used. Results of the studies on the effect of electron irradiation on Silicon and CdTe Schottky diodes, Silicon Photo-detectors and CdTe Solar Cells have been discussed and the radiation tolerance of single crystalline Silicon and polycrystalline CdTe thin film have been compared. This is specially targeted to researchers working in the field of irradiation effect on semiconductor devices as well as postgraduate students of Physics, Electrical and Materials Engineering. 120 pp. Englisch.



#### Reviews

Here is the best pdf i actually have go through till now. We have study and i also am certain that i am going to planning to go through once again once more in the future. You will not sense monotony at at any time of the time (that's what catalogs are for regarding in the event you question me).

# -- Frederique Rolfson

Thorough guideline! Its this kind of excellent read. This is certainly for all those who statte there was not a well worth reading. Your way of life period will probably be transform once you complete reading this book.

-- Mrs. Alia Borer

# Other Books



#### Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



## Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



## DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs to life. Join the ducklings, cows, and...



# Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and users are hungry for breakthrough solutions to...



## Have You Locked the Castle Gate?

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal your information, or plant a virus Have...



#### The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book stands above the rest because it has...