

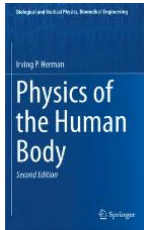


RESOURCES FOR THE
MASTER IN MEDICAL
PHYSICS

March 2018



Biology, Anatomy and Physiology

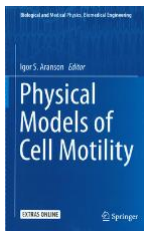


Physics of the Human Body

Irving P. Herman

2nd edition 2016

531.3 HER 2nd ed.



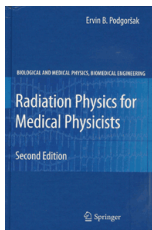
Physical Models of Cell Motility

Igor S. Aranson, editor

2016

576 PHY

Radiation Physics

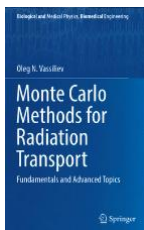


Radiation Physics for Medical Physicists

2nd edition 2010

Ervin B. Podgoršak

53:61 POD

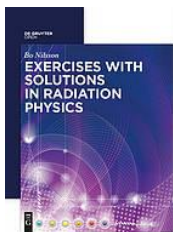


Monte Carlo Methods for Radiation Transport: Fundamentals and Advanced Topics

2017

Oleg N. Vassiliev

53:61 VAS



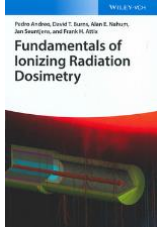
Exercises with Solutions in Radiation Physics

2015

Bo Nilsson



Radiation Dosimetry

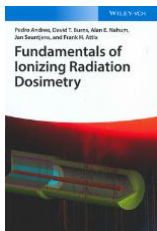


Fundamentals of Ionizing Radiation Dosimetry

2017

Pedro Andreo, David T. Burns, Alan E. Nahum, Jan Seuntjens, and Frank H. Attix

539.12.08:61 FUN

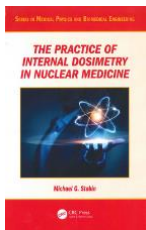


Fundamentals of Ionizing Radiation Dosimetry: Solutions to Exercises

2017

Pedro Andreo, David T. Burns, Alan E. Nahum and Jan Seuntjens

539.12.08:61 FUN/SM

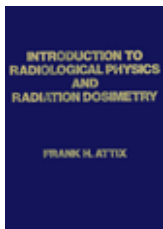


The Practice of Internal Dosimetry in Nuclear Medicine

2017

Michael G. Stabin

539.12.08:61 STA



Introduction to Radiological Physics and Radiation Dosimetry

1986

Frank Herbert Attix

53:61 ATT



Absorbed Dose Determination in External Beam Radiotherapy

2001

IAEA Technical Reports Series n° 398



Calibration of Reference Dosimeters for External Beam Radiotherapy

2009

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Dosimetry in Diagnostic Radiology

2007

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F. H. Attix et al., editors

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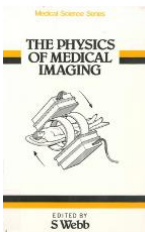


Measurement Uncertainty

2008

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Fundamentals of Medical Imaging

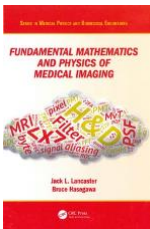


The Physics of Medical Imaging

1988

Steve Webb, editor

53:61 PHY

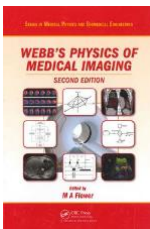


Fundamental Mathematics and Physics of Medical Imaging

2017

Jack L. Lancaster, Bruce Hasegawa

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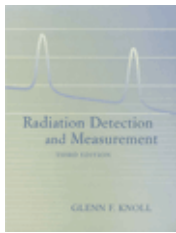


Webb's Physics of Medical Imaging

2nd edition 2012

Steve Webb, Maggie A. Flower

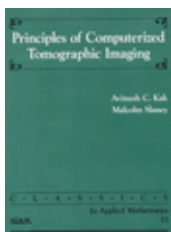
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Glenn F. Knoll
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2001
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Ronald N. Bracewell
517.44 BRA



The Physics of Clinical MR Taught Through Images
2014
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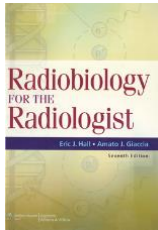
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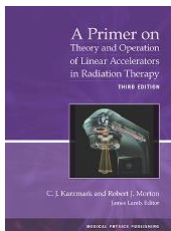


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Eric J. Hall, Amato J. Giaccia

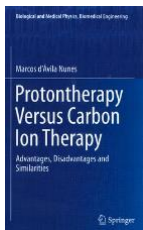
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A Primer on Theory and Operation of Linear Accelerators in Radiation Therapy

3rd edition 2018

C. J. Karzmark and Robert J. Morton ; edited by James Lamb

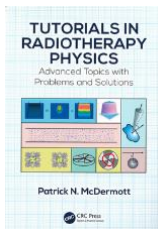


Protontherapy Versus Carbon Ion Therapy: Advantages, Disadvantages and Similarities

2015

Marcos d'Avila Nunes

53:61 NUN

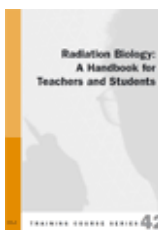


Tutorials in Radiotherapy Physics: Advanced Topics with Problems and Solutions

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Patrick N. McDermott

615.849 MAC



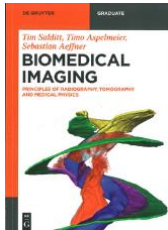
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2010

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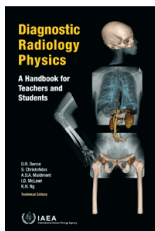


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Tim Salditt, Timo Aspelmeier, Sebastian Aeffner

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2014

D.R. Dance et al.

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2016

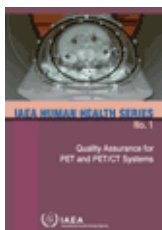


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2014

D.L. Bailey, J.L. Humm, A. Todd-Pokropek, A. van Aswegen, technical editors

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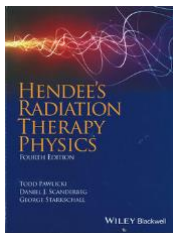
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4th edition 2016
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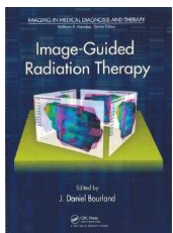


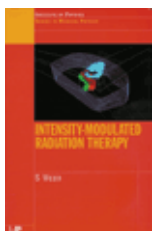
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S. Webb
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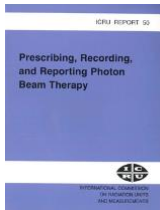
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2008



Calibration of Photon and Beta Ray Sources Used in Brachytherapy
2002



Quality Assurance for Radioactivity Measurement in Nuclear Medicine
2006



Prescribing, Recording, and Reporting Photon Beam Therapy
1993
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Prescribing, Recording, and Reporting Photon-Beam Intensity-Modulated Radiation Therapy (IMRT)
2010
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Criteria for Acceptability of Medical Radiological Equipment Used in Diagnostic Radiology, Nuclear Medicine and Radiotherapy
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AAPM Task Group 142 report
Medical Physics vol. 36 issue 9, September 2009



Accelerator Beam Data Commissioning Equipment and Procedures

AAPM Report of the TG-106 of the Therapy Physics Committee
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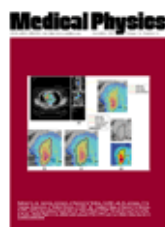
Basic Applications of Multileaf Collimators

2001



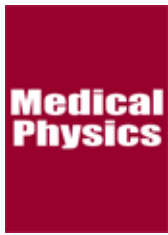
Current Status and Recommendations for Clinical Implementation

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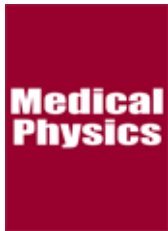
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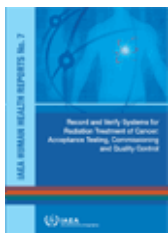


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Record and Verify Systems for Radiation Treatment of Cancer

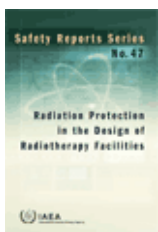
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Radiation Protection and Safety of Radiation Sources International Basic Safety Standards

2014



Radiation Protection in the Design of Radiotherapy Facilities

2006



Structural Shielding Design for Medical X-Ray Imaging Facilities

2004

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Assessment of Occupational Exposure Due to External Sources of Radiation
1999



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1999



The Design of Diagnostic Medical Facilities where Ionising Radiation is used
2009