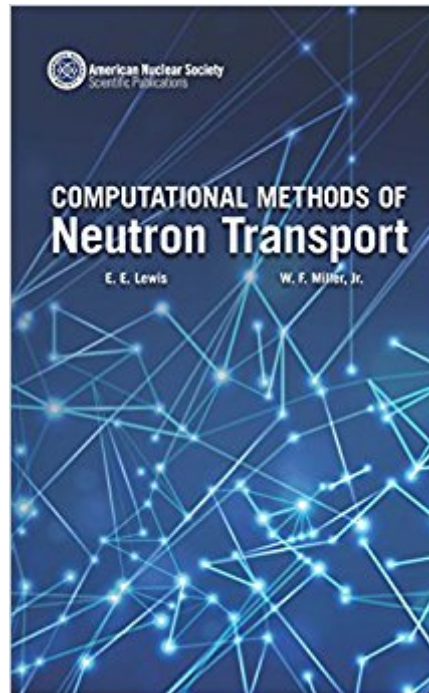




Ebook Directory
the best source of ebook

The book was found

Computational Methods Of Neutron Transport



Synopsis

Book by Elmer E. Lewis, Warren F. Miller Jr.

Book Information

Hardcover: 378 pages

Publisher: Amer Nuclear Society; 2nd edition (January 1993)

Language: English

ISBN-10: 0894484524

ISBN-13: 978-0894484520

Product Dimensions: 1.2 x 6.2 x 9.2 inches

Shipping Weight: 1.6 pounds

Average Customer Review: 3.4 out of 5 stars 3 customer reviews

Best Sellers Rank: #904,565 in Books (See Top 100 in Books) #6 in [Books > Textbooks > Engineering > Nuclear Engineering](#) #152 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear](#) #4979 in [Books > Science & Math > Nature & Ecology > Conservation](#)

Customer Reviews

Book by Elmer E. Lewis, Warren F. Miller Jr.

I teach computational methods for neutral-particle (neutrons and gammas) radiation transport. This textbook appeared just after I did my Ph.D. dissertation in this area. I have taught from it since 1987. The "second edition" is not really a new revision; it does correct some typos in the original book. This art has advanced in many ways since then. However, this book explains the various approaches that are used, and is a must-read before trying to read the journal literature. It is also an indispensable reference. Each chapter has an extensive list of literature upon which it is based, including some of the earliest publications. A suggestion for those studying the material on angular discretizations for the discrete ordinates method: get a Lenart Sphere. This is a transparent hard plastic sphere with transparent hemispherical overlays. It comes with a compass for small-circle arcs, a protractor, and a tool for drawing great circle arcs, measuring arc lengths, and drawing great-circle arcs at right angles to each other. Visualization in 3d is really valuable.

Nuclear Fuel Cycle: Analysis and Management by Robert G. Cochran, Nicholas Tsoulfanidis. This book is an overview treatment which does not treat engineering details. It covers the important

materials at an undergraduate level. For graduate work it is inadequate, but it is a good complement to Benedict, Pigford and Levi, where the engineering detail can be found. (BP&L, unfortunately, is out of print.) This book gives the current context of the nuclear fuel cycle, which is out of date in BP&L.

The overview of the book is for Computation Mthods of Neutron Transport. written by E.E. Lewis and W.F. Miller, Jr. An excellent book on neutron transport and the Boltzmann equation. I don't know anything about nuclear fuels - and was looking for a book on Neutron transport and Amazon.com's web-site seems to have mixed the two books up.

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

Computational Methods of Neutron Transport Polymers and Neutron Scattering (Oxford Series on Neutron Scattering in Condensed Matter) Simulating Enzyme Reactivity: Computational Methods in Enzyme Catalysis (Theoretical and Computational Chemistry Series) Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods (Series in Computational Biophysics) Methods of X-ray and Neutron Scattering in Polymer Science (Topics in Polymer Science) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Current Topics in Computational Molecular Biology (Computational Molecular Biology) Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems (Computational Neuroscience Series) The Power of Computational Thinking: Games, Magic and Puzzles to Help You Become a Computational Thinker Computational Transport Phenomena of Fluid-Particle Systems (Mechanical Engineering Series) Advanced Transport Phenomena: Fluid Mechanics and Convective Transport Processes (Cambridge Series in Chemical Engineering) The Transport System and Transport Policy: An Introduction Freight Forwarding and Multi Modal Transport Contracts (Maritime and Transport Law Library) ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) Nurse Neonatal Transport C-NPT: Practice Questions for the Neonatal Transport Nurse Exam ASTNA Patient Transport - E-Book: Principles and Practice (Air & Surface Patient Transport: Principles and Practice) Transport Nursing (CTRN) Review (Certification in Transport Nursing Book 1) Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics Understanding Physics (Motion, Sound, and Heat / Light, Magnetism, and Electricity / The Electron, Proton, and Neutron) Elementary Scattering Theory: For X-ray and Neutron Users

Contact Us

DMCA

Privacy

FAQ & Help