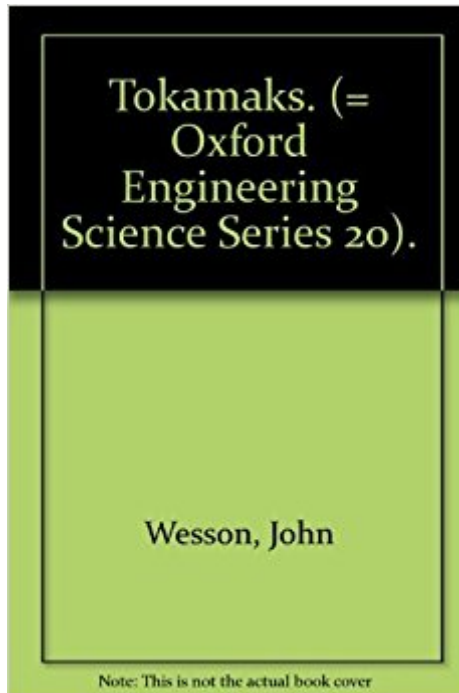




The book was found

Tokamaks (Oxford Engineering Science Series)



Synopsis

This book is the first to focus on tokamaks, the principal research tool in controlled fusion research. Beginning with an examination of the tokamak's place in the field and the requirements of working power generation, ensuing chapters cover such topics as plasma physics, properties of the tokamak, plasma heating methods and problems associated with them, and diagnostic methods. The author also provides an appendix on background mathematical and physical theory. Copiously illustrated throughout and designed with an unusually large page size, this easy to use handbook is both a sound introduction and a basic guide to theory, definitions, and equations for workers in plasma physics, nuclear fusion, energy resources, and power systems.

Book Information

Series: Oxford Engineering Science Series (Book 20)

Hardcover: 320 pages

Publisher: Oxford University Press (October 1, 1987)

Language: English

ISBN-10: 0198563280

ISBN-13: 978-0198563280

Product Dimensions: 7.9 x 1.3 x 12.6 inches

Shipping Weight: 2.3 pounds

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #10,015,293 in Books (See Top 100 in Books) #51 in Books > Textbooks > Engineering > Nuclear Engineering #1772 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear #6723 in Books > Science & Math > Physics > Nuclear Physics

Customer Reviews

"The tokamak is the predominant device used to try to wring useful power from thermonuclear fusion. Wesson and a number of collaborating colleagues provide specialists already working in tokamak research with information about other areas of the subject, and those outside the field with an introduction to the principal concepts, methods, and problems involved. He includes equations, formulas, and data that research workers often need. Among the topics are fusion, equilibrium, confinement, instabilities, diagnostics, plasma-surface interactions, and large tokamaks. He has updated the 1987 and 1997 editions to reflect developments in the science and technology."

--SciTech Book News --This text refers to an out of print or unavailable edition of this title.

J.Wesson is a Senior Theoretical Physicist at JET Joint Undertaking, Abingdon, Oxon. --This text refers to an out of print or unavailable edition of this title.

This book serves as an encyclopedia of the 60+ years of knowledge that come before us in this field. Usually Wesson just gives an overview of various topics and refers you to a long list of references for more information. The information is typically practical, apparently designed for an experimentalist in mind but it does delve into theory as necessary. It also talks about some past/and current big machines and their research objective. (I am really glad that I finally bought this book (though I wish I had waited a few more months for the 4th editions) but it is very helpful to have my own copy. This book is one of the ones that you read for one thing and then you get drawn into learning and a few sections or chapters later you have learned quite a lot. First book I would recommend buying as a fusion experimentalist grad student or scientist.

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

Tokamaks (Oxford Engineering Science Series) Tokamaks (The International Series of Monographs on Physics) Numerical Simulation and Optimal Control in Plasma Physics: With Applications to Tokamaks (Modern Applied Mathematics Series) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) A Modern Short Course in Engineering Electromagnetics (Oxford Engineering Science Series) The Science and Engineering of Microelectronic Fabrication (The Oxford Series in Electrical and Computer Engineering) The Oxford Book of Modern Science Writing (Oxford Landmark Science) Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Oxford Handbook of Political Psychology (Oxford Handbooks) published by Oxford University Press, USA (2003) Fabrication Engineering at the Micro- and Nanoscale (The Oxford Series in Electrical and Computer Engineering) Fundamentals of Electrical Engineering (The Oxford Series in Electrical and Computer Engineering) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) The Elements of Polymer Science and Engineering, Third Edition (Elements of Polymer Science & Engineering) Elements of Polymer Science & Engineering, Second Edition: An Introductory Text and Reference for Engineers and Chemists (The Elements of Polymer Science and Engineering) The Elements of Polymer Science

and Engineering (Elements of Polymer Science & Engineering) Titanium in Medicine: Material Science, Surface Science, Engineering, Biological Responses and Medical Applications (Engineering Materials) Molecular Gas Dynamics and the Direct Simulation of Gas Flows (Oxford Engineering Science Series) Soil Behaviour in Earthquake Geotechnics (Oxford Engineering Science Series) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)