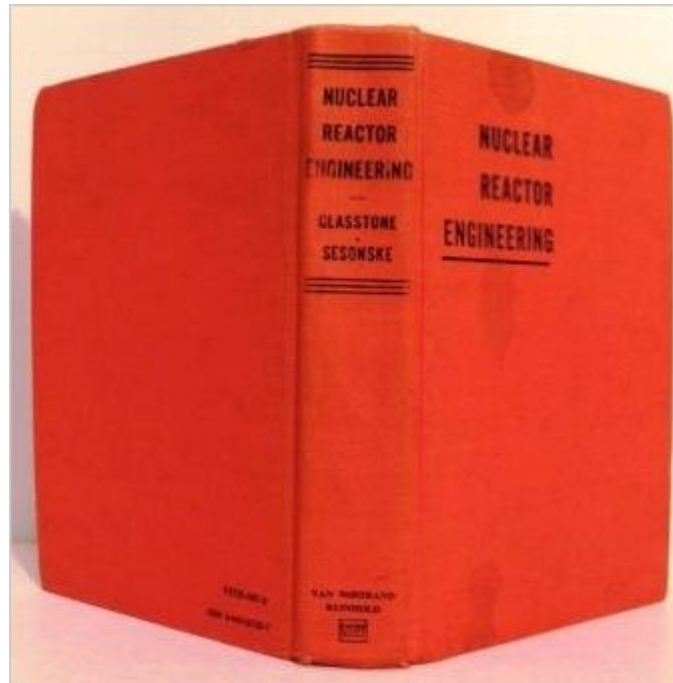


The book was found

# Nuclear Reactor Engineering



## Synopsis

This classic reference combines broad, yet in-depth coverage of nuclear engineering principles with practical descriptions of their application in the design and operation of nuclear power plants. Published in a two-volume format to accommodate readers' specific interests, the first volume concentrates on the fundamentals of nuclear engineering, while the second explores applications and more advanced topics. In the second volume, Alexander Sesonske draws on his extensive experience in nuclear engineering to investigate state-of-the-art approaches to reactor systems, including computer analysis, assisting the reader in exploiting the potential of information technology in nuclear engineering. We explore energy transport and fuel management and their roles in cost-effective plant design and operation. Sesonske discusses the environmental, health, and safety concerns that are crucial to the continued success and expansion of nuclear power, illustrating risk analysis methods that facilitate reliable assessment and control of hazards. The book also details current and potential innovations in plant design, examining challenges likely to be faced by the nuclear power industry in meeting future energy demands. Investigating topics such as reactor systems, cost-effective fuel management, environmental issues, and the design of future plants.

--This text refers to an alternate Hardcover edition.

## Book Information

Hardcover: 830 pages

Publisher: Van Nostrand Reinhold Company; International student edition edition (December 1969)

Language: English

ISBN-10: 0442027257

ISBN-13: 978-0442027254

Product Dimensions: 9.1 x 6.1 x 1.7 inches

Shipping Weight: 2.6 pounds

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (2 customer reviews)

Best Sellers Rank: #1,727,363 in Books (See Top 100 in Books) #274 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear](#) #9449 in [Books > Science & Math > Nature & Ecology > Conservation](#) #19602 in [Books > Science & Math > Physics](#)

## Customer Reviews

Very accessible book. As an undergraduate chemistry major, I ended up taking a masters level Nuclear Reactor Technology course while studying abroad in Norway. This was the only truly

necessary text, and it was illuminating. It may be old, but the science is still valid. I could have used a bit more mathematics myself, but I was assured by my classmates that the parts I truly struggled with were due to not having taken enough math, not due to the book itself. Excellent text.

excellent shape and very good book!

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

Nuclear Power Plant Reactor Training Manual: Boiling Water Reactor (BWR) Design at Japan TEPCO Fukushima Plant and U.S. Plants - Comprehensive Technical Data on Systems, Components, and Operations Nuclear Reactor Design (An Advanced Course in Nuclear Engineering) Nuclear Reactor Engineering Nuclear Reactor Analysis Nuclear Chemical Engineering (1957) (McGraw-Hill Series in Nuclear Engineering) Photochemical Purification of Water and Air: Advanced Oxidation Processes (AOPs) - Principles, Reaction Mechanisms, Reactor Concepts Evaluation of the U.S. Department of Energy's Alternatives for the Removal and Disposition of Molten Salt Reactor Experiment Fluoride Salts Nuclear War Survival Skills: Lifesaving Nuclear Facts and Self-Help Instructions Nuclear Energy, Seventh Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes Nuclear Weapons Databook: Volume I - U.S. Nuclear Forces and Capabilities Nuclear War Survival Skills (Upgraded 2012 Edition) (Red Dog Nuclear Survival) NUCLEAR WAR SURVIVAL MANUAL, PROTECTION IN THE NUCLEAR AGE Fundamentals of Nuclear Science and Engineering Second Edition Introduction to Nuclear Engineering (3rd Edition) Handbook of Nuclear Engineering (5 Vol set) Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1) Nuclear Medicine: A Core Review

[Dmca](#)