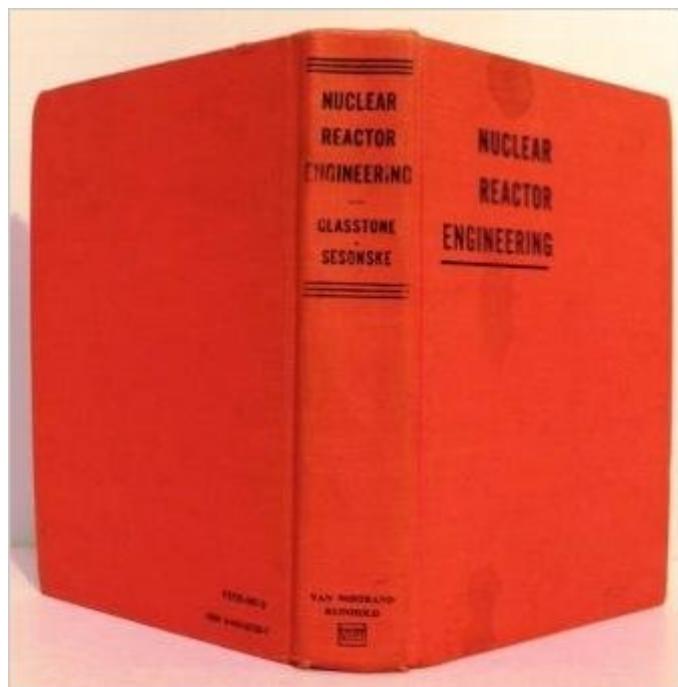


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# Nuclear Reactor Engineering



## 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

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Average Customer Review: 5.0 out of 5 starsÂ  See all reviewsÂ  (2 customer reviews)

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## 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!

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