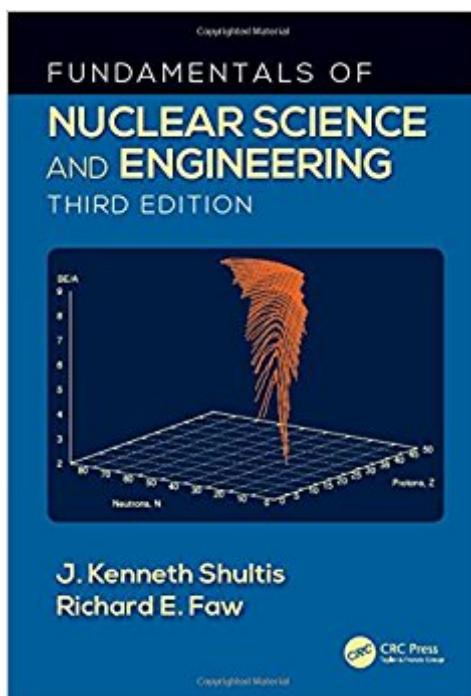


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# Fundamentals Of Nuclear Science And Engineering Third Edition



## Synopsis

Fundamentals of Nuclear Science and Engineering, Third Edition, presents the nuclear science concepts needed to understand and quantify the whole range of nuclear phenomena. Noted for its accessible level and approach, the Third Edition of this long-time bestselling textbook provides overviews of nuclear physics, nuclear power, medicine, propulsion, and radiation detection. Its flexible organization allows for use with Nuclear Engineering majors and those in other disciplines. The Third Edition features updated coverage of the newest nuclear reactor designs, fusion reactors, radiation health risks, and expanded discussion of basic reactor physics with added examples. A complete Solutions Manual and figure slides for classroom projection are available for instructors adopting the text.

## Book Information

Hardcover: 660 pages

Publisher: CRC Press; 3 edition (September 29, 2016)

Language: English

ISBN-10: 1498769292

ISBN-13: 978-1498769297

Product Dimensions: 1.5 x 7.5 x 10 inches

Shipping Weight: 2.9 pounds (View shipping rates and policies)

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"The biggest application of nuclear technology is the production of electricity with fission process, one commonly referred as nuclear engineering, which has become a cross-cutting disciplinary by itself. However, nuclear science covers a much broader areas and applications that is beyond the

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