

Introduction To Nuclear Engineering Lamarsh Problems Solutions

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this textbook presents students with nuclear concepts models vocabulary and problem solving skills that are essential for success in subsequent course work in reactor theory and engineering designed for a sophomore science or engineering student with a firm foundation in the basics of college physics and mathematics through ordinary differential equations mayo s book addresses concepts in modern physics special relativity quantum

concepts etc and develops those concepts as necessary in the presentation of the text material the text objective is to present fundamental nuclear principles in a clear and understandable yet physically sound manner

offering the most current and complete introduction to nuclear engineering available this book contains new information on french russian and japanese nuclear reactors all units have been revised to reflect current standards includes discussions of new reactor types including the ap600 abwr and sbwr as well as an extensive section on non us design reactors the nuclear navy and its impact on the development of nuclear energy binding energy and such topics as the semi empirical mass formula and elementary quantum mechanics and solutions to the diffusion equation and a more general derivation of the point kinetics equation topics in reactor safety include a complete discussion of the chernobyl accident and an updated section on tmi and the use of computer codes in safety analysis for nuclear engineers

includes index

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