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FUNDAMENTALS IN NUCLEAR PHYSICS. The thought of this text book originated from the author's research and academic experience in Iraqi Atomic Energy Commission (IAEC) and various universities in Iraq in departments of nuclear engineering and physics over several years. Furthermore, the previous experience and background of our students determined...

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This textbook contains most of the information needed to consider nuclear reactor physics. It makes a lot of assumptions and simplifications, as it is a more introductory textbook, however the principles and theory are spot on. If you're considering majoring in nuclear engineering - specifically working on reactors, this is the book for you.

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A knowledge of atomic and nuclear physics is essential to nuclear engineers, who deal with nuclear reactors. It should be noted that atomic and nuclear physics is very extensive branch of science. Nuclear reactor physics belongs to an applied physics as a particle physics or nuclear chemistry. These branches have common fundamentals.

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Preface xiii 1 Nuclear Reactions 1 1.1 Introduction 1 1.2 Nuclear Reaction Fundamentals 2 Reaction Equations 3 Notation 5 Energetics 5 1.3 The Curve of Binding Energy 7 1.4 Fusion Reactions 8 1.5 Fission Reactions 9 Energy Release and Dissipation 10 Neutron Multiplication 12 Fission Products 13 1.6 Fissile and Fertile Materials 16 1.7 Radioactive ...

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