



An Introduction to the Engineering Aspects of Nuclear Physics, 1/e

Santanu Ghosh

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About the Book

This book is meant for those opting for courses where knowledge of applications of nuclear physics is required and also to the people involved in application oriented fields of nuclear physics. This book includes major applications of nuclear physics, such as detector technology, nuclear power, activation analysis, and applications to biology. Students, learning engineering aspects of physics, which is an upcoming course of study in various institutes, will find the book useful.

Salient Features

- ▶ Basics of nuclear physics.
 - ▶ Interaction of radiation with matter.
 - ▶ Different radiation detection systems.
 - ▶ Different nuclear reactions.
 - ▶ Nuclear reactor designing.
 - ▶ Methodology of radiocarbon dating.
 - ▶ The activation analysis techniques.
 - ▶ Neutron activation analysis.
 - ▶ Effect of radiation on biological systems.
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