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Presents a comprehensive study of the technology behind the sport of tennis and contains diagrams and graphs to give a visual understanding of the physics involved in such things as the flight and bounce of the ball.

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The first edition of this title has become a well-known reference book on ion sources. The field is evolving constantly and rapidly, calling for a new, up-to-date version of the book. In the second edition of this significant title, editor Ian Brown, himself an authority in the field, compiles yet again articles written by renowned experts covering various aspects of ion source physics and technology. The book contains full chapters on the plasma physics of ion sources, ion beam formation, beam transport, computer modeling, and treats many different specific kinds of ion sources in sufficient detail to serve as a valuable reference text.

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An approachable textbook for medical practitioners and technologists studying to become ultrasound practitioners. Written by a leading ultrasound educator and designed to suit typical university, college or professional courses. Also appropriate for self-guided study. The first edition of this book



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undergraduate physics, followed by problems which are related to those directions. These problems, which are based on some of the latest developments in science and technology, can be solved using the classical physics accessible in a standard undergraduate program. Where necessary, the problems have detailed solutions. The second edition of Modern Physics and Technology for Undergraduates includes six new subsections dealing with the most recent developments in science, and a fully updated and expanded list of problems.

This text provides an introduction to the important physics underpinning current technologies, highlighting key concepts in areas that include linear and rotational motion, energy, work, power, heat, temperature, fluids, waves, and magnetism. This revision reflects the latest technology advances, from smart phones to the Internet of Things, and all kinds of sensors. The author also provides more modern worked examples with useful appendices and laboratories for hands-on practice. There are also two brand new chapters covering sensors as well as electric fields and electromagnetic radiation as applied to current technologies.

Written for health practitioners and students new to medical ultrasound, this book provides all the basic physics and technological knowledge they need in order to practise ultrasound effectively, including safety aspects of ultrasound, quality assurance and the latest techniques and developments. Multiple choice questions for self-assessment and as a revision aid Chapter on terminology with explanatory paragraphs of words and phrases used in diagnostic ultrasound Troubleshooting guide - common problems and their solutions explored

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