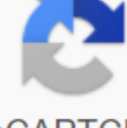


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This is a one-stop text for students in medical physics or biomedical engineering variants of physics and engineering of first degrees and on more specialized graduate courses at the master's and Ph.D. level. It provides a complete backdrop for the physics, electronics, anatomy and physiology needed to understand the medical applications of physics and technology in this accessible text. The text was structured to encourage progress: the goals of the training are stated at the beginning of each chapter and the problems are presented at the end to test understanding, biological information is presented in context throughout. Basic knowledge of mathematics and statistics is assumed. Detailed derivatives are kept to a minimum and references to the mathematical background are provided. 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