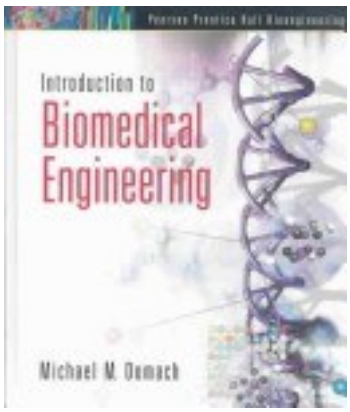
Introduction to Biomedical Engineering



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KEY BENEFIT : Substantial yet reader-friendly, this introduction examines the living system from the molecular to the human scale–presenting bioengineering practice via some of the best engineering designs provided by nature, from a variety of perspectives. Domach makes the field more accessible, helping readers to pick up the jargon and determine where their skill sets may fit in. KEY TOPICS : Cellular and Molecular Building Blocks of Living Systems; Mass Conservation, Cycling, and Kinetics; Requirements and Features of a Functional and Coordinated System; Bioenergetics; Molecular Basis of Catalysis and Regulation; Analysis of Molecular Binding Phenomena; Applications and Design in Biomolecular Technology; Metabolic and Tissue Engineering; Primer on Tissues and Organs; Biomechanics; Biofluid Mechanics; Biomaterials; Pharmacokinetics; Noninvasive Sensing and Signal Processing. MARKET : A useful resource for anyone interested in joining the field or learning more about bioengineering.

作者介绍:

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