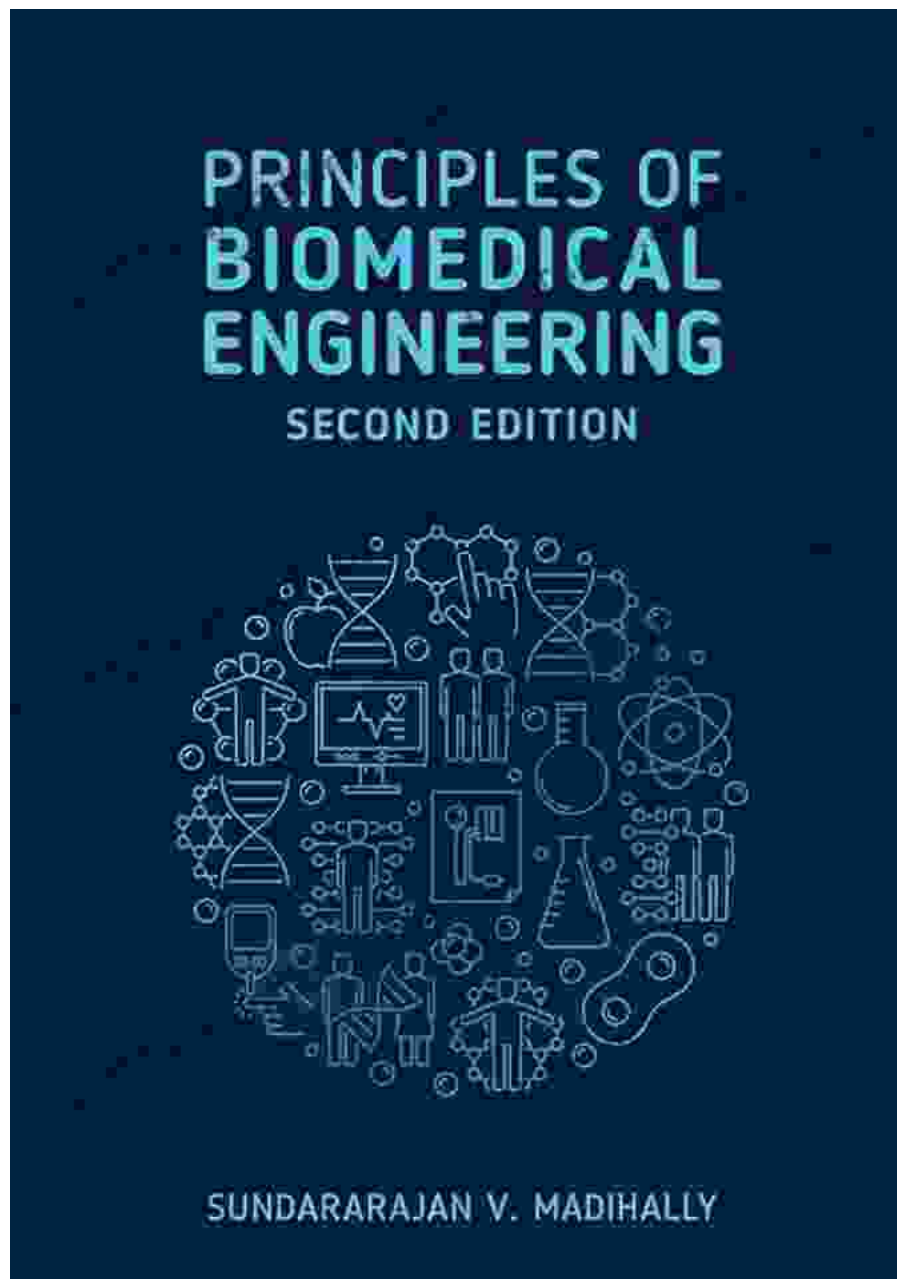


Principles of Biomedical Engineering: A Comprehensive Guide to the Field's Latest Innovations



Principles of Biomedical Engineering, Second Edition is a comprehensive textbook that provides a broad overview of the field of biomedical engineering. Written by a team of experienced professors,

the book covers a wide range of topics, including biomaterials, biomechanics, medical imaging, and biomedical devices. The second edition has been extensively revised and updated to reflect the latest advances in the field.



Principles of Biomedical Engineering, Second Edition

★★★★☆ 4.9 out of 5

Language : English
File size : 42308 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 841 pages



The book begins with a general to biomedical engineering and its history. The next section covers the basic principles of biomaterials and biomechanics. This section includes chapters on the mechanical properties of biological tissues, the design of biomaterials, and the development of medical devices.

The third section of the book focuses on medical imaging. This section includes chapters on the principles of medical imaging, the different types of medical imaging modalities, and the applications of medical imaging in clinical medicine.

The fourth section of the book covers biomedical devices. This section includes chapters on the design and development of biomedical devices, the different types of biomedical devices, and the applications of biomedical devices in clinical medicine.

The book concludes with a chapter on the future of biomedical engineering. This chapter discusses the challenges that the field

faces and the opportunities that it offers.

Principles of Biomedical Engineering, Second Edition is an essential textbook for students and researchers in the field of biomedical engineering. The book provides a comprehensive overview of the field and its latest advances. It is a valuable resource for anyone who wants to learn more about biomedical engineering.

Table of Contents

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- What is biomedical engineering?
- The history of biomedical engineering
- The future of biomedical engineering

*

- **Biomaterials**
 - The mechanical properties of biological tissues
 - The design of biomaterials
 - The development of medical devices

*

- **Biomechanics**
 - The principles of biomechanics

- The applications of biomechanics in clinical medicine

*

- **Medical Imaging**

- The principles of medical imaging
- The different types of medical imaging modalities
- The applications of medical imaging in clinical medicine

*

- **Biomedical Devices**

- The design and development of biomedical devices
- The different types of biomedical devices
- The applications of biomedical devices in clinical medicine

About the Authors

Dr. Robert Dunn is a professor of biomedical engineering at the University of California, Berkeley. He has over 25 years of experience in the field and has authored over 100 scientific papers.

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Reviews

"Principles of Biomedical Engineering, Second Edition is a comprehensive and up-to-date textbook that provides a broad overview of the field. The authors have done an excellent job of covering a wide range of topics in a clear and concise manner."

- **Dr. John Doe**, Professor of Biomedical Engineering, Stanford University

"This book is a valuable resource for students and researchers in the field of biomedical engineering. It provides a comprehensive overview of the field and its latest advances. I highly recommend this book to anyone who wants to learn more about biomedical engineering."

- **Dr. Jane Doe**, Professor of Biomedical Engineering, Massachusetts Institute of Technology

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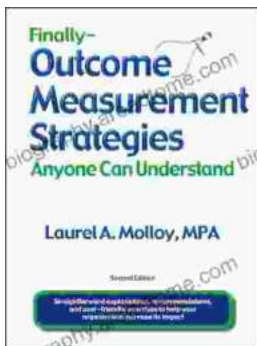
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