Standard Handbook of Biomedical Engineering Design

Myer Kutz
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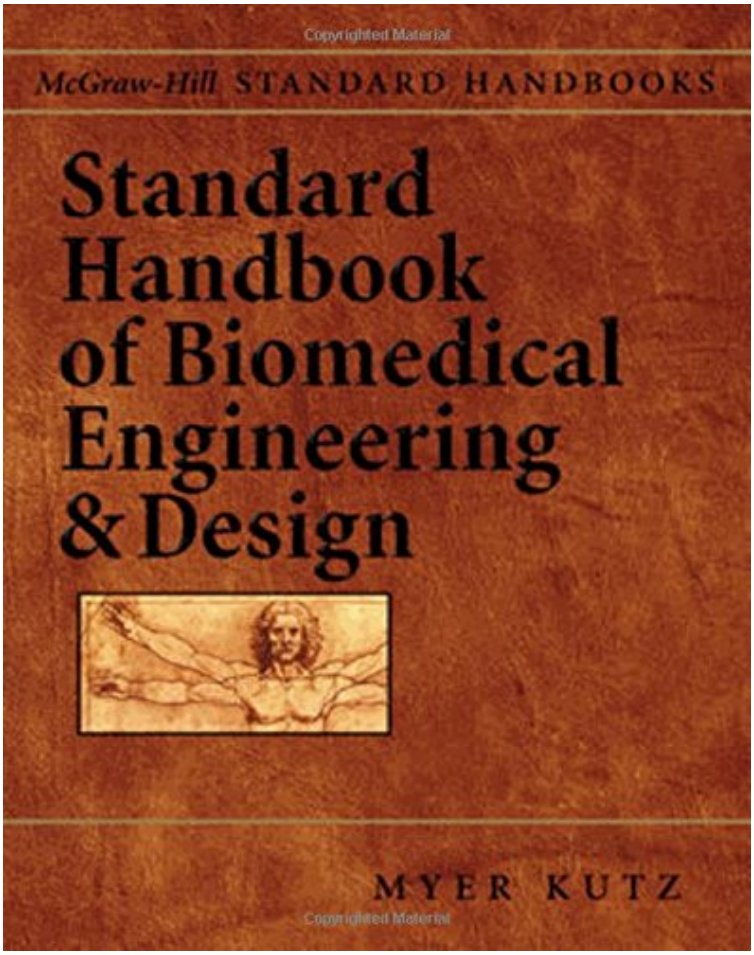

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Myer Kutz : Standard Handbook of Biomedical Engineering Design before purchasing it in order to gage whether or not it would be worth my time, and all praised Standard Handbook of Biomedical Engineering Design:

The dynamic field of biomedical engineering has not only changed the way we live, but has even inspired the creation of more than one popular TV series (The Bionic Man) and a number of sci-fi movies. And it has touched us in other ways as well -- it made a household name of artificial heart recipient Barney Clark.The Standard Handbook of Biomedical Engineering bridges the gap between engineering principles and biological systems. Over 40 experts from universities and medical centers throughout North America and Israel have produced a practical reference for the biomedical professional who is seeking to solve a wide range of engineering and design problems, whether to enhance a diagnostic or therapeutic technique, reduce the cost of manufacturing a medical instrument or prosthetic device, improve the daily life of a patient with a disability, or increase the effectiveness of a hospital department. Coverage

includes not only fundamental principles but also numerous recent advances in this fast moving discipline. The Handbook offers a breadth and depth of biomedical engineering coverage unmatched in any other reference.

From the Back CoverTHE HANDBOOK THAT BRIDGES THE GAP BETWEEN ENGINEERING PRINCIPLES AND BIOLOGICAL SYSTEMS The focus in the Standard Handbook of Biomedical Engineering and Design is on engineering design informed by description and analysis using engineering language and methodology. Over 40 experts from universities and medical centers throughout North America, the United Kingdom, and Israel have produced a practical reference for the biomedical professional who is seeking to solve a wide range of engineering and design problems, whether to enhance a diagnostic or therapeutic technique, reduce the cost of manufacturing a medical instrument or a prosthetic device, improve the daily life of a patient with a disability, or increase the effectiveness of a hospital department. Heavily illustrated with tables, charts, diagrams, and photographs, most of them original, and filled with equations and useful references, this handbook speaks directly to all practitioners involved in biomedical engineering, whatever their training and areas of specialization. Coverage includes not only fundamental principles, but also numerous recent advances in this fast moving discipline. Major sections include: * Biomedical Systems Analysis * Mechanics of the Human Body * Biomaterials * Bioelectricity * Design of Medical Devices and Diagnostic Instrumentation * Engineering Aspects of Surgery * Rehabilitation Engineering * Clinical Engineering The Handbook offers breadth and depth of biomedical engineering design coverage unmatched in any other general reference.About the AuthorMyer Kutz is president of Myer Kutz Associates, Inc., a publishing and information services consulting firm. Formerly, he was vice president for professional scientific and technical publishing at John Wiley and Sons. Mr. Kutz has been a member of the board of trustees of the Online Computer Library Center and was chair of the ASME publications committee. He has a B.S. degree in mechanical engineering from MIT and an M.S. from RPI. Mr. Kutz resides with his wife in Delmar, N.Y.