

<<生物工程导论INTRODUCTION>>

图书基本信息

书名：<<生物工程导论INTRODUCTION TO BIOENGINEERING>>

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## 内容概要

Bioengineering is attracting many high quality students. This invaluable book has been written for beginning students of bioengineering, and is aimed at instilling a sense of engineering in them. Engineering is invention and designing things that do not exist in nature for the benefit of humanity. Invention can be taught by making inventive thinking a conscious part of our daily life. This is the approach taken by the authors of this book. Each author discusses an ongoing project, and gives a sample of a professional publication. Students are asked to work through a sequence of assignments and write a report. Almost everybody soon realizes that more scientific knowledge is needed, and a strong motivation for the study of science is generated. The teaching of inventive thinking is a new trend in engineering education. Bioengineering is a good field with which to begin this revolution in engineering education, because it is a youthful, developing interdisciplinary field. --This text refers to the Hardcover edition. 作者简介： Y. C. Fung works on solid mechanics, and has helped to establish the fields of aeroelasticity and biomechanics. He received his BS and MS from the National Central University in China and PhD from the California Institute of Technology. He received the United States Presidential National Medal of Science in the year 2000, and the Founders Award of the US National Academy of Engineering in 1998. He was elected a member of the US National Academy of Science in 1992, the US Institute of Medicine in 1991, the US National Academy of Engineering in 1979, the Academy of Science of China in 1994, and the Academia Sinica in 1966. He is Distinguished Alumnus of Caltech, Honorary Member of ASME, and winner of the von Karman Medal (ASCE), Timoshenko Medal (ASME), Poiseuille Medal (ISB), Borelli Medal (ASB), Landis Award (AMS), and Alza Award (BMES).

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Appendixes A. About the Authors B. About the Department of Bioengineering at the University of California, San Diego  
Farewell to Students

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