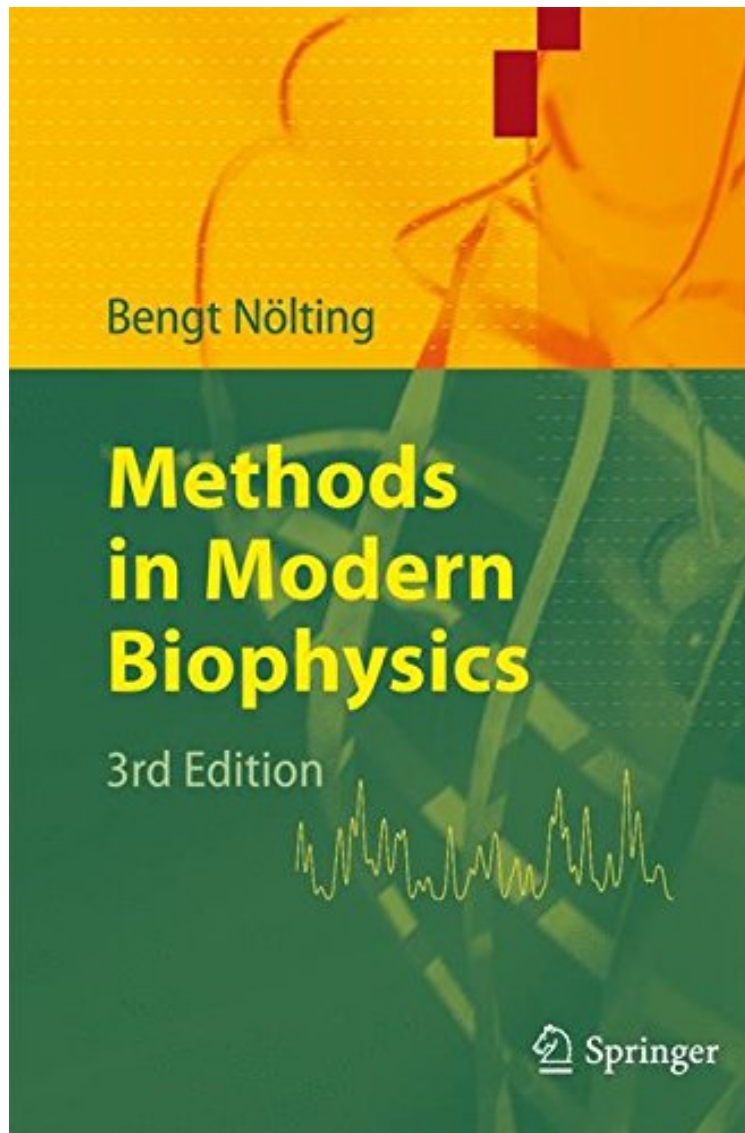


Methods in Modern Biophysics

Bengt Nlting

*DOC | *audiobook | ebooks | Download PDF | ePub*



DOWNLOAD



+

READ ONLINE

#4376814 in Books Nlting Bengt Nalting Bengt Noltin Bengt 2009-10-05 2009-10-06Original language:EnglishPDF # 1 9.00 x .66 x 6.00l, .91 #File Name: 3642030211273 pagesMethods in Modern Biophysics | File size: 55.Mb

Bengt Nlting : Methods in Modern Biophysics before purchasing it in order to gage whether or not it would be worth my time, and all praised Methods in Modern Biophysics:

21 of 23 people found the following review helpful. An excellent biophysics textbook!By H. BechsteinIf you are looking for a spectacular, brand new textbook for an introductory or advanced course in biophysics, this book is highly recommended. I found that the book with its unique scope covers all the essential subjects of biophysics methods

needed for the biophysics/biochemistry/medical student. A few years ago I was looking for all those methods in one book - but there was none available. I had to extract the information from 5 different books which was quite time consuming. So this book really fills a gap. Also, compared to other biophysics books it has far more graphics and contains a large amount of essential, previously unpublished information. The book is pleasant reading from beginning to the end and will give you a comprehensive picture of biophysics in a very educative fashion. In my opinion there is no cheaper way of education than reading a good book like this one. 22 of 26 people found the following review helpful. An excellent timely, concise, and well-detail textbook. By A Customer "Methods in Modern Biophysics" is a comprehensive resource on the current areas of focus in cutting-edge biophysics methods and technology. This truly exceptional biophysics book distinguishes itself by a great clarity of the explanation of each technique and a very strong usage of diagrams and illustrations. More than 260 detailed figures make the most advanced topics easy to visualize and understand. So even the beginner can comprehend ingenious biophysics methods at an advanced level. The graphics can also nicely be used for teaching. Everything is reader-friendly cross-referenced. After thoroughly reading this marvelous book, I was particularly amazed by the outstanding presentation of exciting developments in mass spectrometric analysis, X-ray methods for the structural characterization of biomolecules, infrared spectroscopic methods, electron microscopy, atomic force microscopy, scanning tunneling microscopy, scanning near-field microscopy, biophysical nanotechnology including force measurements in single biomolecules, proteomics, ion mobility-spectrometric analysis, and microwave effects. I highly recommend this most up-to-date biophysics textbook available to both students and experts seeking detailed, accurate and reader-friendly scientific information on recent developments of novel biophysical methods and who want to gain speed in this fascinating field. This text is an essential cornerstone of information - a must have for biophysicists and biochemists! 18 of 21 people found the following review helpful. A fantastic textbook for Biophysics. By Ruhong Zhou This is a fantastic textbook on biophysics methods and techniques. I found it particularly useful for those who are theoreticians and computer modelers. As a theoretical biophysicist, I work on protein folding, protein structure prediction and ligand-receptor binding studies, and I was constantly looking for a book which contains all important and up-to-date experimental methods and techniques to better understand our experimental colleagues' work. Now I found it! If you are also looking for a book for introductory as well as advanced topics in biophysics methods, this book might be the one you are looking for. It essentially covers all the new and important subjects of this field. I found the chapters about proteomics, ion mobility spectrometry, and mass spectrometry, particularly interesting. I will try to include some of the material in the course "Biophysical Chemistry" (a graduate level course) that I am co-teaching, and I will strongly recommend this book to those who are interested in biophysics.

Incorporating dramatic recent advances, "Methods in Modern Biophysics" presents a fresh and timely introduction to modern biophysical methods. This innovative text surveys and explains the ten key biophysical methods, including those related to biophysical nanotechnology, scanning probe microscopy, X-ray crystallography, ion mobility spectrometry, mass spectrometry, and proteomics. Containing much information previously unavailable in tutorial form, "Methods in Modern Biophysics" employs worked examples and more than 260 illustrations to fully detail the techniques and their underlying mechanisms. The book was written for advanced undergraduate and graduate students, postdocs, researchers, lecturers and professors in biophysics, biochemistry, general biology and related fields.

From J. Breckow, F. Cemic in "Radiation and Environmental Biophysics", Vol. 43, 2004 pp. 65-66: "... This book is well suited for both undergraduate and graduate students of physics and biology, biotechnology and related faculties, as it is most adept for experts not being mainly involved in biophysical methodology. The reader will get a condensed and highly up-to-date presentation of a variety of modern molecular methods that are widespread and/or of relevance for future developments. The extensive reference list is a good starting point for further reading. The style, wording and graphical illustrations in the textbook are adequate and make it recommendable for the intended readership." "() Nlting textbook is an excellent presentation of the most relevant and widespread experimental techniques in modern biophysics. () Nlting succeeds in achieving an appropriate balance of a basic and yet coherent description while neglecting complexity where ever possible. () This book is well suited for both undergraduate and graduate students of physics and biology, biotechnology and related faculties." J. Breckow (University of Appl. Sciences, Giessen, Germany), F. Cemic Journal: Radiation and Environmental Biophysics, Vol. 43, Pages 65-66 "() Summing Up: Recommended. Upper-division undergraduates through professionals." K.L. Schick, emeritus, Union College, NY Journal: Choice, May 2004 "(...) It is best suited as a textbook for both undergraduate and graduate students for its richness in graphics and comprehensiveness of the text, but will certainly be adored also by researchers and lecturers. (...) The book guides with ease the reader through its eleven chapters giving a near complete picture of current biophysical techniques...." D. Kaftan, F. Adamec (Nov Hradý) Journal: Photosynthetica, Vol. 42, Issue 1, p. 22 From the Back Cover Incorporating dramatic recent advances, this textbook presents a fresh and timely introduction to modern biophysical methods. An array of new, faster and structurally higher-resolving power biophysical methods now enables scientists to examine the examination of the mysteries of life at a molecular level. So students and researchers alike

need to know the technological details behind the latest methods so they can choose appropriate tools and make optimal use of them. This innovative text surveys and explains the ten key biophysical methods, including those related to biophysical nanotechnology, scanning probe microscopy, X-ray crystallography, ion mobility spectrometry, mass spectrometry, and proteomics. Containing much information previously unavailable in tutorial form, *Methods in Modern Biophysics* employs worked examples and more than 260 illustrations to fully detail the techniques and their underlying mechanisms. The book was written for advanced undergraduate and graduate students, postdocs, researchers, lecturers and professors in biophysics, biochemistry, general biology and related fields.