

Preface

This book is based on the course in biophysics that I have taught for the past two decades at the Danish Technical University, and it should be suitable for similar courses at other places of higher education.

I originally delivered the lectures in Danish and Henrik Jørgensen, one of my first students, recorded my words in shorthand and then collaborated with my secretary, Carolyn Hallinger, to produce a set of Danish notes. I updated these from time to time, and ultimately translated them into English. There were two subsequent expansions of the text before it acquired the form reproduced here. Meanwhile Ove Broo Sørensen and Bjørn Nielsen provided valuable help with many of the illustrations.

The course now attracts so many students that I have needed the backing of two assistant teachers, in connection with the weekly homework assignments. Henrik Bohr and Bjørn Nielsen have provided this service with great skill and diligence, and it is a pleasure to acknowledge their contribution to the enterprise.

The cause of biophysics at this university has benefited greatly from the support provided by colleagues in other departments, and most notably by Robert Djurtoft, Ole Mouritsen, Knud Særmak and Jens Ulstrup, together with whom I set up what came to be known as the Biophysics Initiative. Professors Mouritsen and Særmak were formerly my departmental colleagues, and I enjoyed close interactions with both of them.

The interest and encouragement of the wider Danish biophysics community has also been invaluable, and I would especially like to mention Salim Abdali, Preben Alstrøm, Olaf Sparre Andersen, Svend Olav Andersen, Christen Bak, Per Bak, Rogert Bauer, Klaus Bechgaard, Kirstine Berg-Sørensen, Myer Bloom, Jacob Bohr, Tomas Bohr, John Clark, Jens Peder Dahl, Tom Duke, Henrik Flyvberg, Christian Frøjær-Jensen, Sonia Grego, John Hjort Ipsen, Karl Jalkanen, Mogens Høgh Jensen, Kent Jørgensen, Carsten Knudsen, Bent Kofoed, Morten Kringelbach, Erik Hviid Larsen, Signe Larsen, Jens Jørgen Led, Per Anker Lindegaard, Jens Ulrik Madsen, Axel Michelsen, Erik Mosekilde, Knud Mørch, Claus Nielsen, Simon Nørrelykke, Lene Oddershede,

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Solutions for the exercises can be found on my website:
<http://info.fysik.dtu.dk/Brainscience/rodney.html>

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