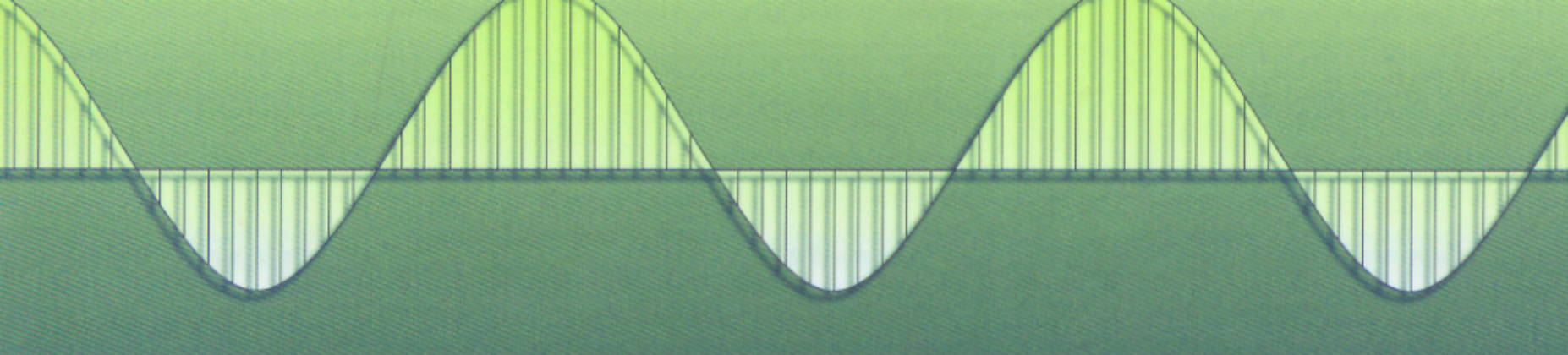




STRUCTURAL BIOLOGY

Practical NMR Applications

QUINCY TENG

University of Georgia, Athens, Georgia

Combining practical aspects of NMR techniques and their applications in structural biology, this classic text provides coverage in a descriptive and straightforward manner. Detailed coverage includes discussion of NMR instrument hardware and methodology, such as setup, data acquisition, and data processing, as well as routine strategy of sample preparation, specifically macromolecules and complexes. The text structure and sample exam questions in every chapter make it well suited for graduate students interested in structural biology and protein dynamics, but is equally valuable as a reference for researchers in the field of biochemistry, chemistry, and biophysics.

Early Praise for this volume:

"This is the first totally thorough book on the subject. It covers theory, the instrument, how to run an experiment, the latest in pulse and structure determination methods. The best part is that it's written as a textbook with questions and goal at the beginning of each section and homework or exam problems. It is ideal for a graduate or advanced undergraduate course on biological NMR."

—**Lawrence J. Berliner**, *University of Denver, Denver, Colorado*

"While NMR treatises abound, there exists no single text that provides both the information necessary to understand the experiments and processes, as well as the practical details for their successful implementation. This considerable gap in the literature is now happily bridged by Quincy Teng's timely contribution."

—**Gerd N. La Mar**, *University of California, Davis, CA*

 **Springer**

springeronline.com

ISBN 0-387-24367-4



9 780387 243672