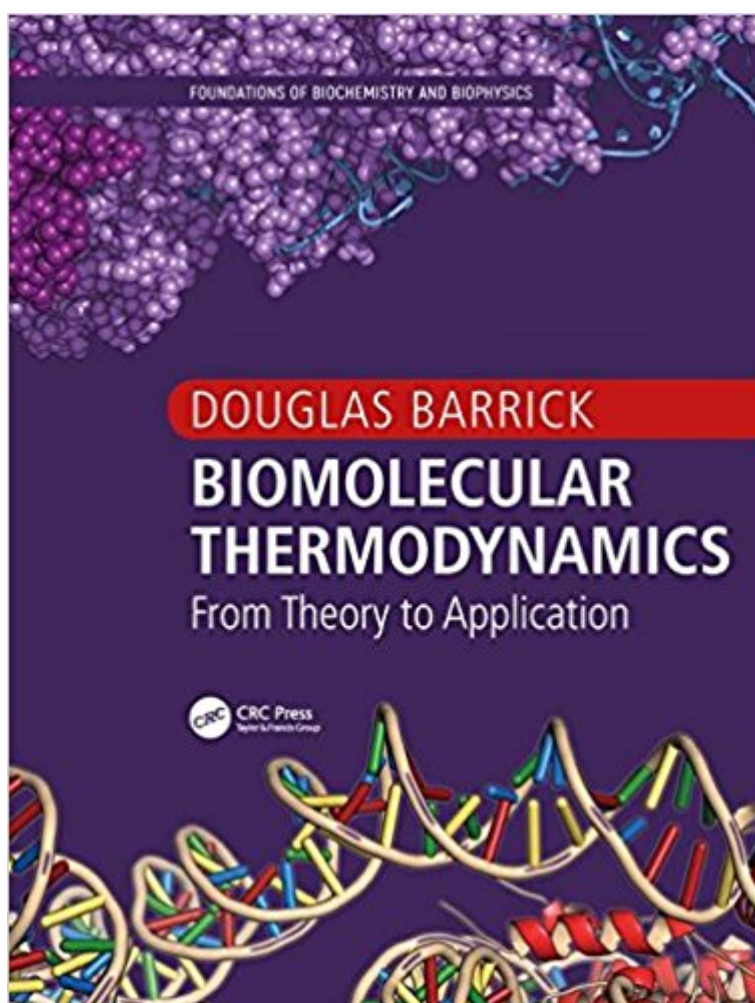


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Biomolecular Thermodynamics: From Theory To Application (Foundations Of Biochemistry And Biophysics)



Synopsis

This book introduces the concepts and practical tools necessary to understand the behavior of biological macromolecules at a quantitative level. It begins by describing biochemical phenomena using principles of classical and statistical thermodynamics. Unlike other books, this text goes beyond theory to explain in detail how the equations are applied to the analysis of experimental measurements. This emphasis on real-world applications is continued throughout and is a major feature of the book.

Book Information

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biologically-relevant systems along with a practical focus. It starts by bringing students up to speed on probability theory, multi-variate calculus and data fitting, the necessary tools for tackling the advanced topics covered in the remaining dozen chapters and for conducting rigorous interdisciplinary research. The ample problems and tutorials throughout are much appreciated." —Tobin R. Sosnick, Professor and Chair, Dept of Biochemistry and Molecular Biology, University of Chicago

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