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molecules, such as their average kinetic energy, but possess very little information about the motions of individual particles. Thermodynamics and Statistical Mechanics The structural mechanics of proteins that fold into functional shapes, polymers that aggregate and form clusters, and organic macromolecules that bind to inorganic matter can only be understood through statistical physics and thermodynamics. This book reviews the statistical mechanics concepts and tools necessary for the study of structure formation processes in macromolecular systems that are ... Thermodynamics and Statistical Mechanics of Macromolecular ... This behavior is not only interesting in its own right; it could also, through a statistical

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