

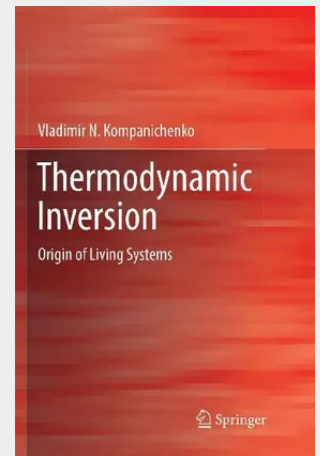
Kompanichenko

Thermodynamic Inversion

Origin of Living Systems

This book discusses the theory, general principles, and energy source conditions allowing for the emergence of life in planetary systems. The author examines the material conditions found in natural hydrothermal sites, the appropriate analogs of prebiotic environments on early Earth. He provides an overview of current laboratory experiments in prebiotic materials chemistry and substantiation of a new direction for the experiments in the origin of life field. - Describes thermodynamic inversion and how it relates to the living cell; - Examines the current direction of experiments on prebiotic materials chemistry; - Introduces and substantiates necessary conditions for the emergence of life.

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