MICROANALYTIX

The Relativistic Thermodynamics and Statistical Mechanics of Interacting Systems

A Prospectus for Relativity Theory,
Volume 6 of The Theory of Interacting Systems

by
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"Two roads diverged . . ."

The upheaval in twentieth century physics included things both large and small. Not only did quantum theory shake our view of the reality of events and objects, but our understanding of the arena in which these events and objects are viewed was changed by relativity theory as well. Soon after the advent of relativity theory, several conflicting versions of thermodynamics were proposed for both special and general relativity. These conflicts could not be resolved because there is no agreed upon method for choosing one or another.

A thermodynamics for special and general relativity is created in accord with the principles of the Theory of Interacting Systems. The results of this study are used to evaluate the application of the thermodynamics of general relativity to cosmology. As one of the foundations for these investigations, a statistical mechanical formalism is introduced and employed as the basis for representing macroscopic bodies in relativistic spaces.

Portions of the text of this Prospectus are excerpted from the Preface, Table of Contents, Chapter 1, and the Back Cover of *The Theory of Interacting Systems, Volume 6, Relativity Theory* published by MicroAnalytix. It is referred to as CIS in this document. Similarly, The Theory of Interacting Systems is referred to as TIS.

Additional information on this book will be provided in this document when the book is published.

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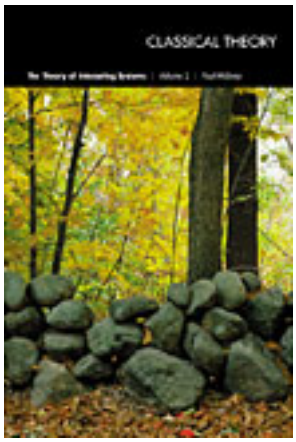

The Theory of Interacting Systems

Volume 1 | Niels Bohr: Reflections on Subject and Object

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