

Introduction to the Thermodynamics of Solids.

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AbstractAbstract

[en] This book addresses issues of thermodynamics associated with solids from a unique point of view. Professor Ericksen provides a perspective of thermodynamics which is based in material science and solid mechanics, and attempts to apply basic thermodynamics to a wide range of phenomena. The book is not written as a text-book, as it does not contain example problems or exercises, is directed primarily at researchers in solids. The author states that much of the book is controversial, and that many of his treatments of thermodynamics are not traditional. The author's assessment is accurate on both counts. However, there are several reasons to believe that many of the issues raised in the book are not so much controversial, but rather simply not well described, either by the author or by thermodynamicists, in general. The primary references for much of the thermodynamics in the book are historic in nature, and certainly worthy of consideration, but only a few current references are provided

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Source

1992; 204 p; Chapman and Hall; New York, NY (United States); [ISBN 0-412-39840-0](#); ; Chapman and Hall, Inc., 29 West 35th St., New York, NY 10001-2299 (United States); From review by Donald E. Beasley, Clemson Univ., in Applied Mechanics Review, vol., 45, No. 6, (Jun 1992).

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