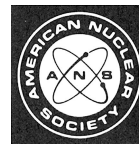


EDITOR'S BOOK REVIEWS

Editor's Book Reviews are addressed to books that are primarily compilations of data and statistical information.



Advances in Nuclear Science and Technology

Editor Jeffery Lewins and Martin Becker
Publisher Plenum Publishing Corporation (1980)
Pages 338
Price \$39.50

Volume 12 of *Advances in Nuclear Science and Technology* again brings new insight to a series of topics of interest to practitioners of the nuclear sciences (c.f., review of Vol. 11, *Advances in Nuclear Physics*, in *Nucl. Technol.*, **49**, 511).

Volume 12, edited by Jeffrey Lewins of the University of London and Martin Becker of Rensselaer Polytechnic Institute, discusses theories of design of and practical operating techniques for modern nuclear power plants. Six articles are included:

- Characteristics Ray Solutions of the Transport
- Heterogeneous Core Designs for Liquid Metal Fast Breeder Reactors
- Liner Insulation for Gas-Cooled Reactors
- Outage Trends in Light Water Reactors
- Synergetic Nuclear Energy Systems Concepts
- Vapor Explosion Phenomena with Respect to Nuclear Reactor Safety Assessment

RGP

Thermodynamische Tabellen

Author Kuzman Raznjevic
Publisher VDI-Verlag; Distributor: ISBS, Inc.
Pages 346
Price \$90.00

This book is a helpful reference for libraries, rather than for the individual. It stands alongside such classics as *JANAF Tables*, *API Data Books*, etc. A large fraction of the book is concerned with properties of water and steam, and thus might replace the classical *Steam Tables* of Keenan and Keys. The organization is rather hard to follow for those who cannot read German.

The tables are obviously very useful to chemical and mechanical engineers, and the compilation of transport properties of various substances, thermal conductivity, and viscosity is useful and possibly unique. *RGP*

Table of Isotopes

Author C. Michael Lederer and Virginia S. Shirley
Publisher John Wiley & Sons, Inc. (1978)
Pages 1523
Price \$40.00

This book is a compendium of tables of isotopic values too numerous and complex to summarize succinctly. This, the seventh edition, utilizes extensive computer assistance in the compilation to assure consistency and to minimize errors. The impressive array of authors and editors compiled the work at Lawrence Berkeley Laboratory under U.S. Department of Energy sponsorship.

This excellent reference document is a must for all who work with radioisotopes and need accurate knowledge of their properties. *RGP*

Plutonium Handbook

Editor O. J. Wick
Publisher American Nuclear Society (1967)
Pages 966
Price \$48.25