The Many Body Problem: An Encyclopedia of Exactly Solved Models in One Dimension
The Many-body Problem: An Encyclopedia Of Exactly Solved Models In One Dimension

The Many-body Problem - Daniel C. Mattis 1993 This book differs from its predecessor, Lieb & Mattis Mathematical Physics in One Dimension, in a number of important ways. Classic discoveries which once had to be omitted owing to lack of space — such as the seminal paper by Fermi, Pasta and Ulam on lack of ergodicity of the linear chain, or Bethe's original paper on the Bethe ansatz — can now be incorporated. Many applications which did not even exist in 1966 (some of which were originally spawned by the publication of Lieb & Mattis) are newly included. Among these, this new book contains critical surveys of a number of important developments: the exact solution of the Hubbard model, the concept of spinons, the Haldane gap in magnetic spin-one chains, bosonization and fermionization, solitons and the approach to thermodynamic equilibrium, quantum statistical mechanics, localization of normal modes and eigenstates in disordered chains, and a number of other contemporary concerns.


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The Encyclopedia of Physics - Robert Martin Besançon 1985 Updated and expanded, this third edition of a widely-acclaimed encyclopedia provides condensed, authoritative information the essential topics of physics.

Encyclopedia of Mathematical Physics - Jean-Pierre Franoise 2006-06-20 The Encyclopedia of Mathematical Physics provides a complete resource for researchers, students and lecturers with an interest in mathematical physics. It enables readers to access basic information on topics peripheral to their own areas, to provide a repository of the core information in the area that can be used to refresh the researcher's own memory banks, and aid teachers in directing students to entries relevant to their course-work. The Encyclopedia does contain information that has been distilled, organised and presented as a complete reference tool to the user and a landmark to the body of knowledge that has accumulated in this domain. It also is a stimulus for new researchers working in mathematical physics or in areas using the methods originating from work in mathematical physics by providing them with focused high quality background information.

Many-Particle Physics - Gerald D. Mahan 2012-12-06 This textbook is for a course in advanced solid-state theory. It is aimed at graduate students in their third or fourth year of study who wish to learn the advanced techniques of solid-state theoretical physics. The method of Green's functions is introduced at the beginning and used throughout. Indeed, it could be considered a book on practical applications of Green's functions, although I prefer to call it a book on physics. The method of Green's functions has been used by many theorists to derive equations which, when solved, provide an accurate numerical description of many processes in solids and quantum fluids. In this book I attempt to summarize many of these theories in order to show how Green's functions are used to solve real problems. My goal, in writing each section, is to describe calculations which can be compared with experiments and to provide these comparisons whenever available. The student is expected to have a background in quantum mechanics at the level acquired from a graduate course using the textbook by either L. I. Schiff, A. S. Davydov, or I. Landau and E. M. Lifshitz. Similarly, a prior course in solid-state physics is expected, since the reader is assumed to know concepts such as Brillouin zones and energy band theory. Each chapter has problems which are an important part of the lesson; the problems often provide physical insights which are not in the text. Sometimes the answers to the problems are provided, but usually not.


Laser Physics - 2009
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McGraw-Hill Concise Encyclopedia of Physics-McGraw-Hill 2005 Hundreds of well-illustrated articles explore the most important fields of science. Based on content from the McGraw-Hill Concise Encyclopedia of Science & Technology, Fifth Edition, the most widely used and respected science reference of its kind in print, the new Concise Encyclopedia Series delivers: * Detailed, well-illustrated explanations, not just definitions * Hundreds of concise yet authoritative articles in each volume * An easy-to-understand presentation, accessible and interesting to non-specialists * A portable, convenient format * Bibliographies, appendices, and other information to supplement the articles

High Energy Physics Index- 1993

Encyclopedia of physical science and technology-Robert Allen Meyers 1992

Encyclopedia of physics-Siegfried Flügge 1957

Encyclopedia of Physical Science and Technology-Robert A. Meyers 2002 Following in the footsteps of the earlier editions, hundreds of the most respected scientists and engineers participated in the creation of this new edition, including many Nobel Laureates. The articles are in-depth, yet accessible, and address all of the key areas of physical science—including aeronautics, astronomy, chemistry, communications, computers, earth sciences, electronics, engineering, materials science, mathematics, nuclear technology, physics, power systems, propulsion, and space technology. (Midwest).

The Gale Encyclopedia of Science- 2001 Contains 2,000 entries ranging from short definitions to major overviews of concepts in all areas of science.

A Concise Encyclopedia of Astronomy-Alfred Weigert 1968

The Harper Encyclopedia of Science-James Roy Newman 1963

Encyclopedia Americana-Scholastic Library Publishing 2006

Body Encyclopedia-Lisbeth Marcher 2010 "An important contribution to the field of somatic psychology, Body Encyclopedia presents a unique, cutting-edge system based on extensive research that has practical applications for psychotherapists, body therapists, and other health practitioners"—Provided by publisher.

Encyclopedia of Body Adornment-Margo DeMello 2007 Alphabetically arranged entries discuss forms of body modification or adornment found throughout history and around the world, including background information and the theoretical, social, ethical, and legal issues surrounding each practice.


An Encyclopedia of Archetypal Symbolism—Archive for Research in Archetypal Symbolism 1997 This encyclopedia presents 120 full-page color photographs of art works and artifacts of the sacred traditions of the world, from ancient times to the present. The images are grouped into archetypal themes such as Cosmos and Creation, Sacred Animals, Goddesses, Gods, The Divine Child, Heroes and Heroines, Revelation, and Transformation. Accompanying pictures are brief essays on historical and cultural context, cross-cultural symbolism, and the psychological meaning of the archetypes, as well as bibliographies, glossaries, and a comprehensive descriptive index. The source of the images is the Archive for Research in Archetypal Symbolism (ARAS), a unique collection of more than 13,000 pictures and scholarly materials prepared by analytical psychologists, art historians, and scholars of religion. The Archive is housed at three locations: the C. G. Jung Foundation for Analytical Psychology in New York and the C. G. Jung Institute of Los Angeles and San Francisco.

Encyclopedia of physics- 1959
The Encyclopedia of Religion - Mircea Eliade 1987 A comprehensive guide to the history, beliefs, concepts, practices, and major figures of religions past and present.

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