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GILLIAN BARRERA

*Author-catalogue of printed books in
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A behind-the-scenes look at Basu Chatterji's most loved films This is the enigma of Basu Chatterji. His films did not have the box-office ingredients that could make them a distributor's hot pick, nor

were they art house cinema that needed unravelling over many cups of tea. He was the quintessential 'middle-of-the-road' film-maker, a genre that he founded in Bollywood. His films, whether it be Chhoti Si Baat or Rajnigandha or Chitchor, were about common people and common problems, such as employment and love, social and economic inequalities, and joint family conflicts. Like fellow cartoonist R.K. Laxman, who created the 'common man', Chatterji too was an auteur of the common man, whose journey he portrayed with charm, delicate warmth and humour. As a

person, Basu was much like his common man: mild, unobtrusive and media-shy. He preferred not to scout for stars and mostly made his films with rookies, giving them respectability as artists. And today, names like Amol Palekar, Vidya Sinha, Pearl Padamsee, Zarina Wahab, Nandita Thakur, Girish Karnad, Rakesh Pandey, Bindiya Goswami and Ranjit Chowdhry have become central to the history of Indian cinema, thanks to Basu. Basu Chatterji: And Middle-of-the-Road Cinema, anecdotal in nature, goes behind the scenes of his films. It places Basu's cinema and

television work in the context of the changing times, like the emergence of Rajesh Khanna, Kishore Kumar and Amitabh Bachchan, the Emergency, the return of Sarat Chandra's stories, the introduction of disco and the decadent phase of Hindi cinema in the 1980s. The book celebrates the work of one of the most underrated, yet successful, film-makers in Hindi cinema.

General Properties of Matter Global Vision Publishing Ho

This book provides a comprehensive review of the subject of polaron and a thorough account of the sophisticated theories of the polaron. It explains the concept of the polaron physics in as simple a manner as possible and presents the theoretical techniques and mathematical derivations in great detail. Anybody who follows this book will develop a solid command over the subject both conceptually and technically and will be in a position to contribute to this field.

Polarons and Bipolarons Ane Books Pvt Ltd
This book discusses the study and analysis of the physical aspects of social systems and models, inspired by the analogy with familiar models of physical systems and

possible applications of statistical physics tools. Unlike the traditional analysis of the physics of macroscopic many-body or condensed matter systems, which is now an established and mature subject, the upsurge in the physical analysis and modelling of social systems, which are clearly many-body dynamical systems, is a recent phenomenon. Though the major developments in sociophysics have taken place only recently, the earliest attempts of proposing "Social Physics" as a discipline are more than one and a half centuries old. Various developments in the mainstream physics of condensed matter systems have inspired and induced the recent growth of sociophysical analysis and models. In spite of the tremendous efforts of many scientists in recent years, the subject is still in its infancy and major challenges are yet to be taken up. An introduction to these challenges is the main motivation for this book.

Science and Culture CRC Press

This text first deals with the crystal structure of new materials, discussing point defects both qualitatively and quantitatively. Focusing on quantum physics, the next chapter examines the

dual nature of particles and the Schrodinger equation. The authors then cover the free electron theory of metals and semiconductors. They also study the details of photoconductors and photovoltaic cells as well as the magnetization factor for various magnetic materials, which offers an understanding of the controlling parameter responsible for the origin of magnetization within the material. The final chapter focuses on the exciting phenomenon of superconductivity.

Author Catalogue of Printed Books in European Languages CRC Press

More than 3,000 terms with clear, working definitions, alternative meanings, and related references comprise this uniquely focused lexicon. Published in a convenient, paperback format, it covers chemical, energy, nuclear, plasma, condensed matter, and solid-state physics, fluid dynamics, quantum mechanics, quantum optics, thermodynamics, and materials science.

An Introduction to Astrophysics

Penguin Random House India Private Limited

The book is mainly designed for post-

graduate students to learn modern-day condensed matter physics. While emphasizing an experiment called the 'Quantum Hall effect', it introduces the subject of 'Topology' and how the topological invariants are related to the quantization of the Hall plateaus. Thus, the content tries to deliver an account of the topological aspects of materials that have shaped the study of condensed matter physics in recent times. The subject is often quite involved for a student to grasp the fundamentals and relate them to physical phenomena. Further, these topics are mostly left out of the undergraduate curriculum, although they often require a simplistic view of the concepts involved to be presented pedagogically. The book contains examples, worked-out concepts, important derivations, diagrams for illustration, etc. to aid the understanding of the students. The book also emphasizes the experimental discoveries that put the subject in its perspective and elaborate on the applications which are likely to be of interest to scientists and engineers. *Methods of Mathematical Physics, Mechanics and General Properties of Matter* New Central Book Agency

This book is divided into two parts. The first part deals with basic electromagnetic and the second part with beam-wave electronics related to growing-wave devices including 'slow-wave' travelling-wave tubes and 'fast-wave' gyro-travelling-wave tubes. The first part is a prerequisite for the second part, while the second part covers the applications of the topics discussed in the first part. These two parts put together make the volume a self-contained treatise. In the specific applications considered, time-independent field concepts are exemplified in the problems related to the formation of an electron beam by an electron gun, the confinement of an electron beam by a magnetic focusing structure, etc. Similarly, time-dependent field concepts are exemplified in problems related to propagation through a slow-wave structure and amplification in growing-wave electron beam devices, such as travelling-wave tubes, double-stream amplifiers, beam-plasma amplifiers and gyro-travelling-wave tubes. All throughout the text, stress is given to provide complete analytical deductions with full mathematical details and present the

state-of-the-art concepts.

Engineering Physics IOP Publishing Limited
Apart from the preliminary topics under Mathematical methods of physics, many new topics have been incorporated in the text. The book is amply illustrated to help the students grasp the concepts clearly. *Condensed Matter Physics Modern Perspective* CRC Press

Biography of the Indian physicist
Satyendranath Bose, 1894-1974.

Books of India New Delhi : National Book Trust, India

An Introduction to Experimental Nuclear Reactions is a book with a concise and simple approach to the subject of experimental nuclear physics. The subject being very technical, it is dealt with in a lucid way so that the reader can grasp the concept and later gain hands-on experience while doing fieldwork. In this book, theoretical, experimental and instrumentation aspects are covered with an emphasis on accelerator-based techniques, which form the basis for the subject of experimental nuclear physics. Other books on similar topics either concentrate on the physics aspects or are more focussed on the instrumentation and

radiation detection techniques while accelerator-related concepts are less explained. One of the main standalone features of the book is its to-the-point approach so that the beginner is not lost in the never-ending details. This book discusses the following aspects: Basic introduction to nuclear reactions Two- and three-body kinematics Accelerator-based experimental techniques Basic aspects of the accelerator and accessories Vacuum physics Radiation detector physics and its associated electronics Theoretical modelling and errors This book is mainly intended for students who aspire to pursue a career in experimental nuclear physics research or work in a nuclear accelerator laboratory. Chinmay Basu, PhD, is a researcher in the field of experimental nuclear physics, and his present interests are in the field of low-energy nuclear astrophysics. He is a professor and head of an accelerator facility at the Saha Institute of Nuclear Physics, Kolkata, India.

An Introduction to Experimental Nuclear Reactions Oxford University Press

This book connects modern experimental discoveries with theoretical and fundamental concepts. It introduces the

interacting and non-interacting aspects of fermionic systems and the role of topology and symmetry in understanding material properties.

Competition Science Vision Springer Nature

This book deals with the discovery and explanation of the quantum Hall effect and its fundamental principles. It is meant for undergraduate and graduate students of physics, engineering, and applied sciences studying condensed matter physics. Doctoral students and researchers of this subject will also find it equally useful. It begins with a historical overview of this effect wherein the experiment and the physical systems are described. It progresses to cover discrete symmetries like inversion symmetry, time reversal symmetry, particle-hole symmetry, and chiral symmetry. It also examines how the Hamiltonian transforms under such symmetry operations. Two 1D models, namely the Su-Schrieffer-Heeger (SSH) model and a Kitaev chain with superconducting correlations, are discussed too. Then, the quantum Hall effect in graphene is explained. Further, the spin Hall effect is studied which may

have prospects of using graphene as spintronic devices. The book ends with a brief review on fractional quantum Hall effect.

Quantum Hall Effect CRC Press

Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental ability test in every monthly issue.

Fundamental Physics Cambridge University Press

The Encyclopaedia Of Physicists Is An Up-To-Date Edited Work In Five Volumes Giving Precisely The Accounts Of Life And Works Of Physicists In Chronological Order

From The Earliest Period To The Present Day. Names Of Scientists Are Mentioned In Alphabetical Order In Each Volume. The Brief Life Accounts And Achievements Of Every Physicist Makes The Reader Thoroughly Acquainted With All Notable Physicists And With Those Who Are Known Only To Students Of Physics. An Intelligent Layman Can Understand Very Well The Nature Of The Work Of The Physicists In His Own Area And The Manner In Which It Has Contributed To The Later

Developments. Each Account Of The Life And Works Of A Physicist Brings To Light As Well His Status In The World Of Science And The Recognition He Had Achieved During His Life Time.

Author-catalogue of printed books in European languages. With a supplementary list of newspapers. 1904. 2 v World Scientific

Develops the basic principles and laws of fundamental physics in two parts - Macroscopic and Microscopic. Part one

covers all relevant aspects concerning macroscopic properties. Part two covers various important microscopic aspects. Each chapter is followed by references for further reading.

A Treatise On General Properties Of Matter

Indian Book Industry
Electromagnetic Theory and Applications in Beam-wave Electronics

Indian Books in Print

Basu Chatterji