

## Mathematical Physics with Applications, Problems and Solutions

V. Balakrishnan

### Contents

1. Warming up: Functions of a real variable
2. Gaussian integrals, Stirlings formula, & some integrals
3. Some more functions
4. Generalized functions
5. Vectors and tensors
6. Vector calculus
7. A bit of fluid dynamics
8. Some more vector calculus
9. A bit of electromagnetism and special relativity
10. Linear vector spaces
11. A look at matrices
12. More about matrices
13. Infinite-dimensional vector spaces
14. Linear operators on a vector space
15. Operator algebras and identities
16. Orthogonal polynomials
17. Fourier series
18. Fourier integrals
19. Discrete probability distributions
20. Continuous probability distributions
21. Stochastic processes
22. Analytic functions of a complex variable
23. More on analytic functions
24. Linear response and analyticity
25. Analytic continuation and the gamma function
26. Multivalued functions and integral representations
27. Mobius transformations
28. Laplace transforms
29. Green function for the Laplacian operator
30. The diffusion equation
31. The wave equation
32. Integral equations, Bibliography & Further Reading, Index.

9789386761118 • 878 (Hb) • 2021 • ₹ 2995.00  
9789888264822 • 878 (Pb) • 2021 • ₹ 995.00

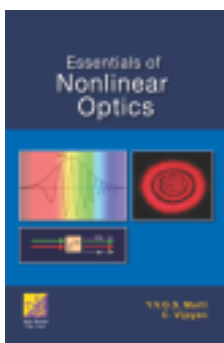


## Elements of Nonequilibrium Statistical Mechanics

V. Balakrishnan

**Contents:** Prologue 1. Introduction 2. The Langevin equation 3. The fluctuation-dissipation relation 4. Autocorrelation of the velocity 5. Markov processes 6. The Fokker-Planck equation 7. The diffusion equation 8. Diffusion in a finite region 9. Brownian motion 10. First-passage time 11. The displacement 12. Phase space Fokker-Planck equation 13. Diffusion in a potential 14. Diffusion in a magnetic field 15. Kubo-Green formulas 16. Dynamic mobility 17. The generalized Langevin equation, Epilogue, Appendixes, Suggested Reading.

9789380156255 • 336 (Hb) • 2019 (R) • ₹ 695.00

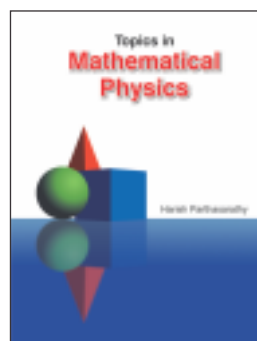


## Essentials of Nonlinear Optics

Y.V.G.S. Murti  
C. Vijayan

**Contents:** 1. From Optics to Photonics 2. A Phenomenological View of Nonlinear Optics 3. Symmetry and Susceptibility Tensors 4. Calculation of Non-Linear Susceptibilities 5. Nonlinear Wave Mixing Processes 6. Optical Phase Conjugation and Bistability 7. Self Focusing, Phase Modulation and Pulse Shaping 8. Mechanisms and Materials, Bibliography, References, Index

9789383656639 • 204 (Pb) • 2018 • ₹ 350.00



## Topics in Mathematical Physics

Harish Parthasarathy

**Contents:** 1. Circuit Theory, 2. Classical Mechanics, 3. Electrodynamics, 4. Quantum Mechanics, 5. Differential Equations, 6. Random Process, 7. Relativity, 8. General Signal Theory, 9. Signal and Systems, 10. Fluid Dynamics, 11. Linear Algebra, 12. Group Theory, 13. MATLAB Problems, 14. Partial Differential Equations, 15. Quantum Computation, 16. Experiments for Analog and Digital Communication Laboratory, 17. Miscellaneous problems and remarks on Signal Processing in Physical Models.

9788180521843 • 766 (Hb) • 2007 • ₹ 995.00

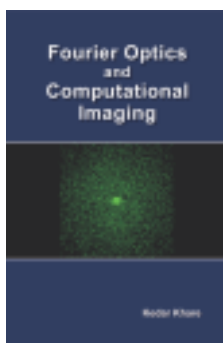


## A Textbook of Optics

Suresh Chandra  
Mohit Kumar Sharma

**Contents:** 1. Reflection 2. Refraction 3. Cardinal Points 4. Interference 5. Fresnel Diffraction 6. Fraunhofer Diffraction 7. Polarization 8. Lasers and Holography 9. Fiber Optics, Bibliography, Index

9789386761569 • 322 (Hb) • 2018 • ₹ 1995.00

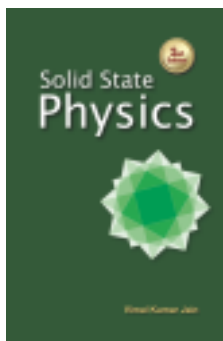


## Fourier Optics and Computational Imaging

Kedar Khare

**Contents:** 1 Introduction 2 Fourier series and transform 3 Sampling Theorem 4 Operational introduction to Fast Fourier Transform 5 Linear systems formalism and introduction to inverse problems in Imaging 6 Constrained optimization methods for image recovery 7 Random processes 8 Geometrical Optics Essentials 9 Wave equation and introduction to diffraction of light 10 The angular spectrum method 11 Fresnel and Fraunhofer diffraction 12 Coherence of light fields 13 Polarization of light 14 Analysis of optical systems 15 Imaging from information point of view 16 Digital Holography 17 Phase retrieval from intensity measurements 18 Compact multi-lens imaging systems 19 PSF Engineering 20 Structural illumination imaging 21 Image reconstruction from projection data 22 Ghost Imaging 23 Appendix: Suggested Exercises.

9789385462290 • 312 (Hb) • 2021 (R) • ₹ 1995.00

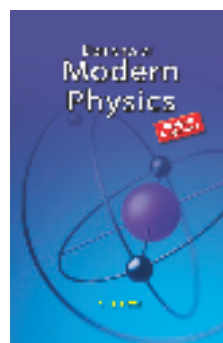


## Solid State Physics 2/Ed.

Vimal Kumar Jain

**Contents:** 1. Crystal Structure 2. Chemical Bonding in Solids 3. Defects in Solids 4. Elements of Quantum Mechanics 5. X-Ray Diffraction 6. Lattice Vibrations 7. Thermal Properties of Solids 8. Free Electron Theory of Metal 9. Band Theory 10. Semiconductors 11. Dielectric Properties of Solids 12. Magnetic Properties of Matter 13. Magnetic Resonance 14. Superconductivity 15. Nanomaterials 16. Optical Properties 17. Semiconductor Devices, Bibliography, Index

9789384726010 • 544 (Pb) • 2021 • ₹ 695.00

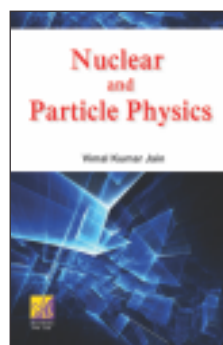


## Elements of Modern Physics Revised & Updated

S.H. Patil

**Contents:** 1. Special Theory of Relativity 2. Introduction to Quantum Ideas 3. Elements of Quantum Theory 4. The One-Electron Atom 5. Atoms and Molecules 6. Interaction with External Fields 7. Quantum Statistics 8. Solid State Physics 9. The Nucleus 10. Elementary Particles 11. General Relativity and Cosmology

9789381162880 • 444 (Pb) • 2021 (R) • ₹ 595.00

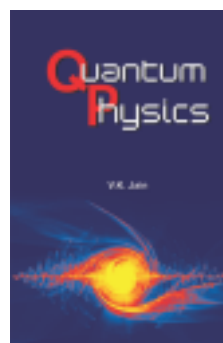


## Nuclear and Particle Physics

Vimal Kumar Jain

**Contents:** Preface, Introduction, Elements of Quantum Mechanics, 3. Basic Nuclear Properties 4. Liquid Drop Model and Semi-Empirical Mass Formula 5. Nuclear Models 6. Radioactivity 7. Alpha Decay 8. Beta Decay 9. Gamma Decay 10. Two Nucleon Problem and Nuclear Force 11. Nuclear Reactions 12. Fission and Fusion 13. Nuclear Detectors 14. Elementary Particles 15. Quark Model, Solved Examples, Objective Type Questions, Exercises, Bibliography, Index

9789384726188 • 370 (Hb) • 2021 (R) • ₹ 1695.00

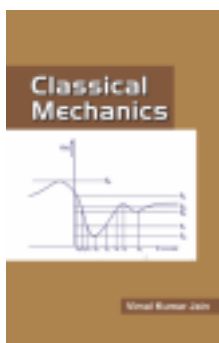


## Quantum Physics

V.K. Jain

**Contents:** 1. Experimental Basis of Quantum Physics 2. Introduction to Quantum Physics 3. Mathematical Formulism 4. Solution of Schrodinger Equation in One Dimension 5. Schrodinger Equation in Three Dimensions 6. Approximation Methods 7. Scattering Theory 8. The Multiparticle Schrodinger Equation, Bibliography.

9789385462573 • 314 (Hb) • 2019 • ₹ 1495.00

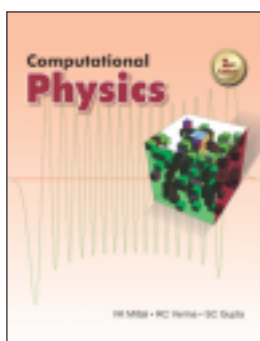


## Classical Mechanics

Vimal Kumar Jain

**Contents:** Preface : 1. Introduction to Particle Dynamics 2. Lagrangian Formulation 3. Hamiltons Equations 4. Symmetry and Conservation Laws 5. Small Oscillation 6. Variational Basics of Mechanics-Hamiltons Principle 7. Motion in Non-Inertial Reference Frame 8. Canonical Transformations 9. Hamilton Jacobi Equation 10. Central Forces Motion 11. Rutherford Scattering 12. Dynamics of Rigid Body, Answers to Objective Type Questions, Selected Bibliography, Index.

9788190840613 • 296 (Pb) • 2021 (R) • ₹ 495.00



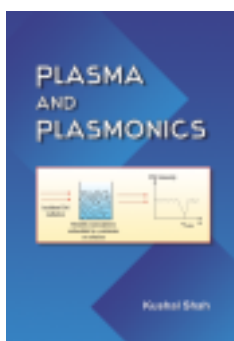
## Computational Physics

2/Ed.

V.K. Mittal  
R.C. Verma  
S.C. Gupta

**Contents:** 1. Fundamentals of Problem Solving 2. Fortran 77 : Essential Features 3. Fortran 77 : Advanced Features 4. Computer Problems - I 5. Computer Problems - II 6. Computer Problems - III, Appendix 1 : Hardware, Appendix 2: Software, Appendix 3: Handling of Fortran Files, Appendix 4: Prgram Errors

9789380618692 • 340 (Pb) • 2021 (R) • ₹ 595.00

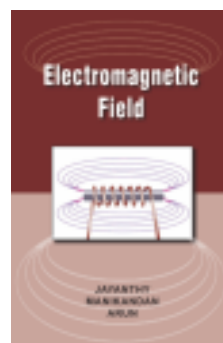


## Plasma and Plasmonics

Kushal Shah

**Contents:** Preface, 1. Maxwell's Equations 2. Electromagnetic Properties of Metals 3. Plasma Kinetic Theory 4 Plasma Fluid Theory 5. Surface Plasmon Polaritons (SPP) 6 Spoof Surface Plasmons (SSP) 7 Advanced Topics in Plasmonics 8. Mathematical Foundations 9. Numerical Methods for Electromagnetics, Appendix: Legendre Polynomials, Bibliography

9789385462849 • 198 (Hb) • 2019 (R) • ₹ 1495.00

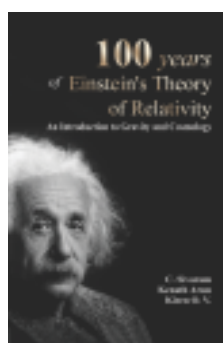


## Electromagnetic Field

Jayanthi  
Manikandan  
Arun

**Contents:** UNIT 1 Static Electric Field. UNIT 2 Conductor and Dielectrics. UNIT 3 Static Magnetic Fields. UNIT 4 Magnetic Forces and Materials. UNIT 5 Time Varying Fields of Maxwells Equation.

9789385462627 • 364 (Pb) • 2018 • ₹ 350.00



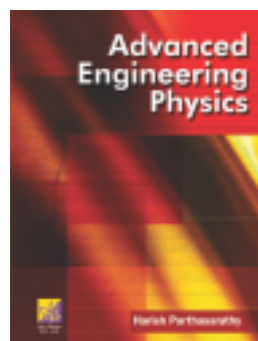
## 100 Years of Einstein's Theory of Relativity

An Introduction to Gravity and Cosmology

C. Sivaram  
Kenath Arun  
Kiren O.V.

**Contents:** Preface, 1. Main Aspects of Newtonian Gravity 2. Special Relativity 3. Equivalence Principle 4. Field Equations of General Relativity 5. Exact Solutions in General Relativity 6. The Classical Tests of General Relativity 7. Gravitational Waves 8. Astrophysical Implications of General Relativity 9. Black Holes 10. Cosmology 11. Alternate Models of the Universe 12. Quantization of the Gravitational Field 13. Unified Field Theories 14. The Future in Gravitational Physics, GR, and Cosmology, Appendix, References and Additional Reading, Index and Keywords

9789385462405 • 240 (Pb) • 2016 • ₹ 295.00

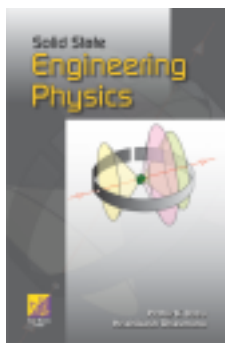


## Advanced Engineering Physics

Harish Parthasarathy

**Contents:** 1. Mechanics 2. Fluid Dynamics 3. ElectroMagnetics 4. Relativity 5. Quantum Mechanics 6. Circuit Theory 7. Optics 8. Solid State Physics 9. Digital Signal Processing 10. Probability 11. Statistical Physics, Bibliography, Index.

9788180522512 • 710 (Pb) • 2009 • ₹ 595.00

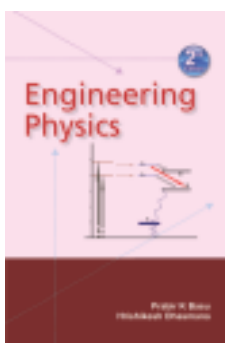


## Solid State Engineering Physics

Prabir K. Basu  
Hrishikesh Dhasmana

**Contents:** Preface, 1. Crystal Structure 2. Quantum Physics 3. Free Electron Theory 4. Band Theory 5. Photoconductivity and Photovoltaics 6. Magnetic Materials 7. Superconductivity 8. Introduction to Nanotechnology 9. Preparation and Characterization of Nanoparticles Numericals, Assignment Questions, Index.

9789380156248 • 230 (Pb) • 2021 • ₹ 395.00

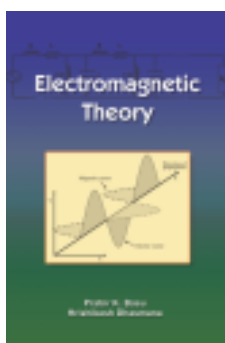


## Engineering Physics 2/Ed

Prabir K. Basu

**Contents:** Preface 1. Interference 2. Diffraction 3. Polarization 4. Laser 5. Fiber Optics 6. Simple Harmonic Motion 7. Dielectrics 8. Electromagnetic Theory 9. Special Theory of Relativity 10. Nuclear Physics 11. Superconductivity, Appendix, Problems with Solution, Questions for Assignment, Index.

9788190832243 • 310 (Pb) • 2021 (R) • ₹ 495.00

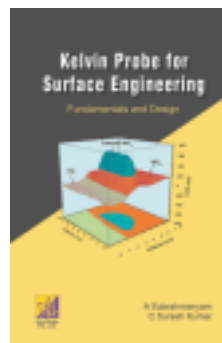


## Electromagnetic Theory

Prabir K. Basu  
Hrishikesh Dhasmana

**Contents:** 1. Electromagnetic Theory Fundamentals 2. Static Electric Fields 3. Steady Magnetic Fields 4. Time Varying Fields and Maxwell's Equations 5. Reflection and Refraction of E.M. Waves 6. Transmission Line 7. Introduction to Smith Chart, Numerical Problems, Sample Questions, Index

9789380156781 • 236 (Pb) • 2021 (R) • ₹ 395.00

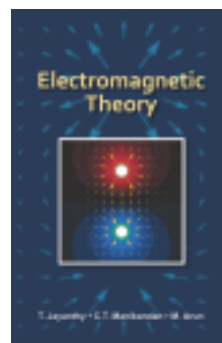


## Kelvin Probe for Surface Engineering Fundamentals and Design

A. Subrahmanyam  
C. Suresh Kumar

**About the Book:** Conventionally, Kelvin probe is an established and powerful tool to measure the work function of metals and semiconductor surfaces; it is a non destructive technique; the surface remains virgin even after the measurement. With the emergence of nano and bio systems, the potential of kelvin probe is truly exceptional and still unexplored. The authors have designed and fabricated a Kelvin probe set up in their laboratory at Indian institute of Technology Madras, Chennai, India. The Kelvin probe equipment is now being manufactured by several companies. So far, the fundamentals and the research results on Kelvin probe are all scattered. This book has been planned in such a way that an outline of the required fundamentals, the rudiments of design factors and the possible precautions one has to exercise in the fabrication and assembling of the equipment are all pooled together to one place. Also, it is the intention of the authors to expose the power of Kelvin probe in conducting Photoemission yield spectroscopy and Surface photovoltage spectroscopy experiments. This book is a modest attempt to describe the fundamentals and the design aspects. It is the earnest hope of the authors that this book may be of good use to the researchers working in the aspects of surface science and surface engineering.

9788190840637 • 200 (Hb) • 2010 • ₹ 695.00

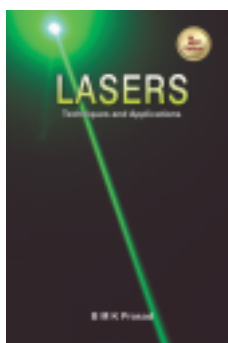


## Electromagnetic Theory

T. Jayanthi  
C.T. Manikandan  
M. Arun

**Contents:** UNIT 1 Electrostatics I UNIT 2 Electrostatics II UNIT 3 Magnetostatics UNIT 4 Electrodynamical Fields UNIT 5 Electromagnetic Waves, Model Question Papers

97893855462795 • 390 (Pb) • 2017 • ₹ 495.00



## Lasers

Techniques and Applications  
2/Ed

B.M.K Prasad

**Contents:** 1. Lasers : A Short Introduction 2. The Peculiar Properties Of Laser Light 3. Types Of Lasers 4. Gas Lasers 5. Solid State Lasers 6. Semiconductor Lasers 7. Dye Lasers 8. Highlights In The Development Of Laser 9. Optical Resonators 10. Line Shapes And Threshold Condition Of Oscillation With Lasers 11. Non-linear Optics 12. Far Ultraviolet And X-ray Laser 13. Theory Of Laser 14. Applications Of Laser 15. Optical Fibre Communication Systems 16. Manufacture And Applications: Fibre Materials 17. Laser Information Technology, Index

9789385462825 • 508 (Hb) • 2021 (R) • ₹ 1995.00



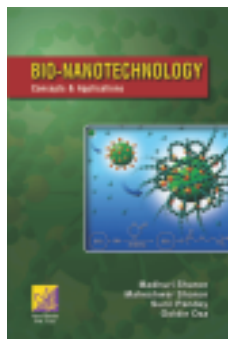
## Modern Astronomy

Startling Facts  
with 1001 Questions and Answers

C. Sivaram  
Kenath Arun

**Contents:** Preface, International Year of Astronomy, 2009, 1. The Solar System, 2. Stellar Evolution, 3. Black Holes, 4. Galaxies, 5. Dark Matter and Dark Energy, Astronomy Quiz Questions, Astronomy Quiz Answers.

9789380156057 • 182 (Pb) • 2019 • ₹ 495.00



## Bio-Nanotechnology

Concepts and Applications



Madhuri Sharon  
Maheshwar Sharon  
Sunil Pandey  
Goldie Oza

**About the Book:** This book is a humble attempt towards sharpening the knowledge of undergraduates, postgraduates and all researchers who are interested in pursuing their research in the field of Bio-Nanotechnology. It focuses on fundamental Bionanomachines and their applications.

The book begins with the explanations that Nanotechnologies fall between the usual daily macrophysics and the quantum mechanics and covers their unique properties. Then it encompasses the domain of Biological system that efficiently functions at nano-scale using various biological nanomachines and custom made molecules. Fundamentals and applications of noble metal nanoparticles nano-engineered by different living systems and an up-to-date review of how DNA, RNA and proteins are so stable in a milieu fully crowded with other smaller organic and inorganic molecules, how molecular crowding endorses self assembly are presented in detail. The book also covers various aspects of carbon nanomaterials.

9789381162361 • 406 (Pb) • 2013 • ₹ 795.00

ISBN	Title	Author	₹ Price	Year	Binding	Imprint
9789384726584	<b>100 Years of Einstein Theory of Relativity : an Introduction to Gravity and Cosmology</b>	<b>C. Sivaram</b>	<b>H</b>	<b>2018</b>	<b>1295</b>	<b>Ane Books</b>
9788180520921	<b>Advanced Engineering Physics</b>	<b>H. Parthasarathy</b>	<b>H</b>	<b>2019</b>	<b>2995</b>	<b>Ane Books</b>
9788126537600	Applied Biophysics	Waigh	H	2013	2495	Wiley India
9789384726072	Basic Electrical and Electronics Engineering, 2/E	R. Murugan	S	2016	395	Ane Books
9789386761972	<b>Basic Electronics : Problems &amp; Solutions</b>	<b>Vasudevan</b>	<b>H</b>	<b>2019</b>	<b>1699</b>	<b>Ane Books</b>
9789382291244	Carbon Nanotubes: Quantum Cylinders of Graphene	Saito	H	2013	2495	Elsevier
9788190840613	<b>Classical Mechanics</b>	<b>Vimal Kumar Jain</b>	<b>S</b>	<b>2021(R)</b>	<b>495</b>	<b>Ane Books</b>
9789380618692	<b>Computational Physics, 2/Ed</b>	<b>V.K. Mittal</b>	<b>S</b>	<b>2021(R)</b>	<b>595</b>	<b>Ane Books</b>
9789385462627	<b>Electromagnetic Field</b>	<b>Jayanthy</b>	<b>S</b>	<b>2018</b>	<b>495</b>	<b>Ane Books</b>
9789380156781	<b>Electromagnetic Theory</b>	<b>P.K. Basu</b>	<b>S</b>	<b>2021(R)</b>	<b>395</b>	<b>Ane Books</b>
9789385462795	<b>Electromagnetic Theory</b>	<b>Jayanthy</b>	<b>S</b>	<b>2018</b>	<b>495</b>	<b>Ane Books</b>
9789389212464	<b>Elements of Modern Physics</b>	<b>Vimal Kumar Jain</b>	<b>H</b>	<b>2020</b>	<b>1195</b>	<b>Ane Books</b>
9789381162880	<b>Elements of Modern Physics</b>	<b>S.H. Patil</b>	<b>S</b>	<b>2021(R)</b>	<b>595</b>	<b>Ane Books</b>
9789380156255	<b>Elements of Nonequilibrium Statistical Mechanics</b>	<b>V. Balakrishnan</b>	<b>S</b>	<b>2019</b>	<b>695</b>	<b>Ane Books</b>
9788190832243	<b>Engineering Physics, 2/Ed</b>	<b>P.K. Basu</b>	<b>S</b>	<b>2021(R)</b>	<b>495</b>	<b>Ane Books</b>
9789380618227	Engineering Physics-1 UPTU	P.K. Basu	S	2010	195	Ane Books
9780415201919	Environmental Physics	Smith	S	2012	695	T&F
9789383656639	<b>Essentials of Nonlinear Optics</b>	<b>Dr. Y.V.G.S. Murti</b>	<b>S</b>	<b>2018</b>	<b>350</b>	<b>Ane Books</b>
9780849382956	Fibre Optics Principles and Practices	Al-Azzawi	H	2013	3995	T & F
9788184890372	Field Quantization	Greiner	S	2009	1295	Springer
9788184894523	Foundations of Fluid Dynamics	Gallavotti	S	2010	1195	Springer
9789385462290	Fourier Optics and Computational Imaging	Khare	H	2021(R)	1995	Ane Books
9788184893182	Fundamentals of Semiconductor Lasers	Numai	S	2009	1095	Springer
9780195693287	Gauge Theory of Elementary Particle Physics: Problems and Solutions	Cheng	S	2008	695	OUP India
9788184890419	Gauge Theory of Weak Interactions, 3/ED	Greiner	S	2009	1295	Springer
9780582297418	Integral Representations for Spatial Models of Mathematical Physics	Vladislav	H	2014	4995	T & F
9780750302814	Introduction to Gauge Field Theory	Bailin	H	2015	3995	CRC
9788181283825	Introduction to Laser Spectroscopy, 2/ED	Andrews	S	2009	995	Springer
9780387403465	Introduction to Optics	Chartier	S	2010	1295	Springer
9788190840637	Kelvin Probe for Surface Engineering : Fundamentals and Design	A. Subramanyam	H	2010	695	Ane Books
9789385462825	<b>Lasers : Techniques and Applications, 2/E</b>	<b>Prasad</b>	<b>H</b>	<b>2021(R)</b>	<b>1995</b>	<b>Ane Books</b>
9788184893304	Mathematical Methods of Quantum Optics	Puri	S	2009	1095	Springer
9789386761118	<b>Mathematical Physics : with Applications, Problems &amp; Solutions</b>	<b>Balakrishan</b>	<b>H</b>	<b>2019</b>	<b>2995</b>	<b>Ane Books</b>
9789388264822	<b>Mathematical Physics : with Applications, Problems &amp; Solutions</b>	<b>Balakrishan</b>	<b>S</b>	<b>2019</b>	<b>995</b>	<b>Ane Books</b>
9789380156057	<b>Modern Astronomy</b>	<b>C. Sivaram</b>	<b>S</b>	<b>2019</b>	<b>495</b>	<b>Ane Books</b>



ISBN	Title	Author	₹ Price	Year	Binding	Imprint
9781584886754	Molecular and Cellular Biophysics	Tuszynski	H	2012	1995	T & F
9780582356436	Navier-Stokes equations: Theory and Numerical Methods	Salvi	H	2014	4995	T & F
9780199591138	Nonequilibrium Statistical Physics	Pottier	S	2010	995	OUP India
<b>9789384726188</b>	<b>Nuclear and Particle Physics</b>	<b>Vimal Kumar Jain</b>	<b>H</b>	<b>2021(R)</b>	<b>1695</b>	<b>Ane Books</b>
9788126540235	Optics and Photonics, 2/ED	Smith	H	2013	3995	Wiley India
9788184894738	Optics, 2/ED	Moller	S	2010	1295	Springer
9780199545032	Particle Astrophysics	Perrkins	S	2008	695	OUP India
9781584889724	Principles of Nanophotonics	Ohtsu	H	2012	1995	T&F POD
9789385462849	Plasma and Plasmonics	SHAH	H	2019(R)	1495	Ane Books
9789382291152	Physics of Carbon Nanotube Devices	Leonard	H	2013	2995	Elsevier
9789382291138	Physics of Condensed Matter	Misra	H	2013	3995	Elsevier
9788126553600	Physics of functional materials	Fredriksson	H	2015	4495	Wiley India
9788181281807	Physics of Semiconductors	Sapoval	S	2004	1095	Springer
9788184894653	Physics of Semiconductors	Grundmann	S	2010	995	Springer
<b>9781498778572</b>	<b>Polymers : Chemistry and Physics of Modern Materials 3/Ed</b>	<b>Cowie</b>	<b>S</b>	<b>2018</b>	<b>1995</b>	<b>T&amp;F INDIA</b>
9788126540228	Principles of Nonlinear Optics	Shen	H	2013	3995	Wiley India
9780824706920	Principles of Thermodynamics	Kaufman	H	2016	1995	CRC
9788184892079	Principles of Vibration and Sound 2/Ed	Rossing	S	2009	895	Springer
9788184890358	Quantum Mechanics: Special Chapters	Greiner	S	2008	1295	Springer
<b>9789385462573</b>	<b>Quantum Physics</b>	<b>V. K. Jain</b>	<b>H</b>	<b>2019</b>	<b>1495</b>	<b>Ane Books</b>
<b>9780367025328</b>	<b>Quantum Physics</b>	<b>Rogalaski</b>	<b>S</b>	<b>2019</b>	<b>1095</b>	<b>ANE/CRC</b>
<b>9789388264556</b>	<b>Quantum Physics : Evolution and Applications</b>	<b>Srinivasan</b>	<b>H</b>	<b>2019</b>	<b>1495</b>	<b>Ane Books</b>
9788184894578	Short Course in General Reativity 3/Ed	Foster	S	2010	895	Springer
9781498771931	Soil Physics with Hydrus : Modeling and Applications	Radcliffe	H	2016	4495	CRC POD
<b>9789380156248</b>	<b>Solid State Engineering Physics</b>	<b>P.K. Basu</b>	<b>S</b>	<b>2021</b>	<b>395</b>	<b>Ane Books</b>
<b>9780367025304</b>	<b>Solid State Physics</b>	<b>Rogalaski</b>	<b>S</b>	<b>2018</b>	<b>1095</b>	<b>CRC Press</b>
<b>9789384726010</b>	<b>Solid State Physics, 2nd Ed.</b>	<b>Vimal Kumar Jain</b>	<b>S</b>	<b>2021</b>	<b>695</b>	<b>Ane Books</b>
9788184894462	Solid State Theory	Rosler	S	2010	695	Springer
9780198066835	Statistical Field Theory	Mussardo	S	2010	995	OUP India
9788184893212	Statistical Physics	Herman	S	2009	795	Springer
9780750300339	Superfluidity and Superconductivity	Tilley	H	2015	3995	IOP Press
9780750302678	Supersymmetric Gauge Field Theory and String Theory	Balin	H	2015	3995	T & F
9780750304085	Symmetries in Quantum Mechanics	Chaichian	H	2015	3995	CRC
<b>9789386761569</b>	<b>Textbook of Optics</b>	<b>Chandra</b>	<b>H</b>	<b>2018</b>	<b>1995</b>	<b>Ane Books</b>
9788184894547	Theory and Applications of Viscous Fluid Flows	Zeytonian	S	2004	595	Springer
9788180521843	Topics In Mathematical Physics	H. Parthasarathy	H	2007	995	Ane Books
9788184892765	Understanding Physics, 2 Book Set	Cassidy	S	2002	995	Springer

ISBN	Title	Author	₹ Price	Year	Binding	Imprint
9780849376047	Applications of Laser Plasma Interactions	Eliezer	H	2014	£ 49.99	T&F
9783642451270	Brief History of String Theory	Rickles	H	2014	€ 39.99	Springer
9781420086959	Commonly Asked Questions in Thermodynamics	Assael	S	2014	£ 5.99	T&F
9781493911264	Digital Fourier Analysis: Advanced Techniques	Kido	S	2015	€ 49.99	Springer
9780470014608	Dynamics And Relativity	Forshaw	S	2009	\$ 65	John Wiley
9783540292234	Electromagnetic Radiation: Variational Methods, Waveguides and Accelerators: Including Seminal Papers of Julian Schwinger	Milton	H	2006	€ 169.99	Springer
9783540253020	Elements for Physics : Quantities Qualities and Intrinsic Theories	Trantola	H	2006	€ 84.99	Springer
9783540241638	Ferroelectric Thin Films	Okuyama	H	2005	€ 229.99	Springer
9781848210493	Fiber Optic Communications	Lecoy	H	2008	\$181.95	John Wiley
9783540245124	Frontiers in Magnetic Materials	Narlikar	H	2005	€ 299.99	Springer
9783540231899	Frontiers in Number Theory, Physics and Geometry I	Cartiere	H	2006	€109.99	Springer
9781402027505	Frontiers of Optical Spectroscopy	Bartolo	S	2005	€ 239	Springer
9781420078749	Group Theory for the Standard Model of Particle Physics & Beyond	Barnes	H	2010	£ 41.99	CRC Press
9784431552994	High Temperature Super Conductivity : the Road to Higher Critical Temperature	Uchida	H	2015	€ 79.99	Springer
9780471706465	High-Performance Gradient Elution	Snyder	H	2006	\$176.95	John Wiley
9780750307475	Interaction of High Power Lasers with Plasmas	Eliezer	H	2014	£ 49.99	IOP Press
9780750306539	Introduction to Dusty Plasma Physics	Shukla	H	2014	£ 49.99	IOP Press
9780486659572	Introduction to Modern Optics	Fowles	S	2016	\$ 18.95	Dover Pub
9780750308878	Introduction to Quantum Optics	Shih	H	2011	£ 46.99	CRC Press
9781584887072	Introduction to the Physics of Interstellar Dust	Krugel	H	2008	£ 65.99	T&F
9781402036637	Ionic Soft Matter: Modern Trends in Theory & Applications	Henderson	S	2005	€ 144.99	Springer
9783527410279	Magnetoseismology	Menk	H	2013	\$ 145	John Wiley
9789048130146	Mass And Motion In General Relativity	Blanchet	H	2011	€149.52	Springer
9781466517820	Materials Physics Companion 2/Ed	Fischer-cripps	S	2014	£ 25.99	CRC Press
9781461487012	Mathematical Biophysics	Rubin	H	2014	€139.99	Springer
9789812709325	Modern Many Particle Physics, 2/ED	Lipparini	S	2008	\$109	World Scs
9789380931593	Modern physics for scientists and engineers	Morrison	H	2010	\$ 103	Academic
9781118371817	Modern Thermodynamics : From Heat Engines to Dissipative Structures 2/E	Kondepudi	S	2014	\$ 85	John Wiley
9781119974512	Nanostructured and Subwavelength Waveguides	Skorobogatiy	H	2012	\$ 165	John Wiley
9783540308324	New Foundation of Physical Theories	Gerald	H	2006	€129.99	Springer
9783540230380	Nuclear Fusion Research : Understanding Plasma-Surface Interactions	Clarkson	H	2005	€ 213	Springer
9780387260631	Numerical and Practical Exercises in Thermoluminescence	Pagonis	H	2006	€ 84.99	Springer
<b>9781119123309</b>	<b>Photomechanical Materials, Composites, and Systems: Wireless Transduction of Light Into Work</b>	<b>White</b>	<b>H</b>	<b>2017</b>	<b>\$194.95</b>	<b>John Wiley</b>
9783527404568	Photophysics Molecular Materials	Lanzani	H	2005	\$ 325	John Wiley





ISBN	Title	Author	₹ Price	Year	Binding	Imprint
9780815344506	Physical Biology of the Cell, 2/Ed	Phillips	S	2013	£ 72.99	Ane/Garland
<b>9781118751121</b>	<b>Physical Chemistry : How Chemistry Works</b>	<b>Kolasinski</b>	<b>S</b>	<b>2017</b>	<b>\$ 90</b>	<b>John Wiley</b>
9781584888307	Physical Oceanography a Mathematical Introduction with Matlab	Malek-madani	H	2012	£ 61.99	ANE/CRC
9780123918789	Physics in the Arts	Gilbert	S	2012	\$ 40.95	Elsevier
9780750309769	Plasma Electronics	Makabe	H	2014	£49.99	T & F
9780486654935	Principles of Electrodynamics	Schwartz	S	2016	\$ 18.95	Dover
9781420080537	Quantum Dynamics : Applications In Biological And Materials Systems	Bittner	H	2010	£65.99	CRC Press
9783642114694	Quantum Quenching, Annealing and Computation	Chandra	S	2010	€ 74.99	Springer
9780486428277	Quantum Theory of Many-Particle Systems	Fetter	S	2016	\$ 34.95	Dover Pub.
9781402036361	Quasi Optical Control of Intense Microwave Transmission	Hirshfield	H	2005	€ 329	Springer
9789058095657	Research in Building Physics	Carmeliet	H	2003	£ 330	A A Balkema
9783540250340	Science With Adaptive Optics	Brandner	H	2005	€ 70.08	Springer
9783540223641	Shock Wave Science and Technology Reference Library Vol. 2	Horie	H	2007	€219.99	Springer
9783540233763	Solitary Waves in Dispersive Complex Media	Belashov	H	2005	€199.99	Springer
9789401794534	Spectral Methods in Chemistry and Physics	Shizgal	H	2015	€94.99	Springer
9789812560643	Stochastic Analysis and Mathematical Physics	Reboll	S	2003	\$ 140	Mit Press
9781402037313	String Theory : From Gauge Interactions to Cosmology	Baulieu	H	2006	€149.99	Springer
9780750305730	Webb's Physics of Medical Imaging, 2/ED	Flowerdew	H	2012	£ 56.99	CRC Press

ISBN	Title	Author	₹ Price	Year	Binding	Imprint
9781402051876	Design for Manufacturability and Yield for Nanoscale	Chiang	H	2007	€130.83	Springer
9781848215641	Dispersion Engineering for Integrated Nanophotonics	Vanbesien	H	2014	\$66.95	John Wiley
9789382291398	Emerging Nanotechnologies For Manufacturing	Ahmed	H	2013	₹ 3995	Elsevier Ex
9789381269312	Environanotechnology	Fan	H	2012	₹ 1795	Elsevier Ex
<b>9781119477082</b>	<b>Fluorescent Nanodiamonds</b>	<b>Chang</b>	<b>H</b>	<b>2019</b>	<b>\$ 145</b>	<b>John Wiley</b>
9782881247941	From Instrumentation to Nanotechnology	Gardner	H	2005	₹ 2500	T & F INDIA
9780471666950	Hb of Nanotechnology : Business, Policy, and Intellectual Property Law	Miller	H	2004	\$ 229.95	John Wiley
9783527305018	Host-Guest-Systems Based on Nanoporous Crystals	Laeri	H	2003	\$ 275	John Wiley
9780815344247	Introductory Nanoscience Physical and Chemical Concepts	Kuno	S	2012	£ 55.99	Ane/Garland
9781420082036	Learning Bio Micro Nanotechnology	Mendelson	H	2013	£ 125	CRC Press
<b>9783319722894</b>	<b>Mass and Energy Balances Basic Principles for Calculation, Design, &amp; Optimization of Macro/Nano Systems</b>	<b>Tan</b>	<b>H</b>	<b>2019</b>	<b>€ 64.99</b>	<b>Springer</b>
9780470392133	Micro / Nano Replication: Processes and Applications	Kang	H	2012	\$ 121.95	John Wiley
9788181282026	Micromachines as Tool for Nanotechnology	Fujita	S	2008	₹ 995	Springer
9780849373077	Microscale And Nanoscale Heat Transfer	Sobhan	S	2012	₹ 995	T & F INDIA
9780124157699	Nanobiotechnology: Inorganic Nanoparticles Vs Organic Nanoparticles Vol-4	Fuente	H	2012	\$ 195	Elsevier
9788126554195	Nanocomputers and Swarm Intelligence	Walder	H	2015	₹ 4995	Wiley India
9780849311833	Nanoelectromechanics in Engineering and Biology Hughes		S	2008	₹ 695	T & F INDIA
9788126554201	Nanolubricants	Martin	H	2015	₹ 4995	Wiley India
9781118162637	Nanometer Frequency Synthesis Beyond the Phase-Locked Loop	XIU	H	2012	\$ 132.95	John Wiley
9780444563361	Nanoparticle Technology Handbook, 2/ED	Hosokawa	H	2012	\$ 445	Elsevier
9781482231199	Nanoscience and Nanoengineering : Advances and Applications	Kelkar	H	2014	£ 99	CRC Press
9788126553587	Nanoscience and Nanotechnology	Grassian	H	2015	₹ 4495	Wiley India
9781119974512	Nanostructured and Subwavelength Waveguides	Skorobogatiy	H	2012	\$ 165	John Wiley
9788181285881	Nanostructures	Shchukin	S	2007	₹ 1295	Springer
<b>9781138581630</b>	<b>Nanotechnology and the Environment</b>	<b>Sellers</b>	<b>H</b>	<b>2018</b>	<b>₹ 3995</b>	<b>CRC POD</b>
9781420051827	Nanotechnology and Tissue Engineering the Scaffold	Laurencin	H	2012	₹ 1995	T & F POD
9789381269329	Nanotechnology Environmental Health and Safety	Hull	H	2012	₹ 1995	Elsevier
9789386674104	Nanotechnology in Environment	Shrivastava	H	2017	₹ 1495	Prakashan
9788181283929	Nanotribology	Hus	S	2006	₹ 1195	Springer
9798181283923	Nanotribology Critical Assessment and Research Needs	Hus	S	2003	₹ 895	Springer
<b>9781119156246</b>	<b>Novel Nanoscale Hybrid Materials</b>	<b>Chauhan</b>	<b>H</b>	<b>2018</b>	<b>\$ 174.95</b>	<b>John Wiley</b>
9783662450819	Organic Nanophotonics	Zhao	H	2015	€ 99.99	Springer
9783527336197	Polysaccharide-Based Nanocrystals : Chemistry and Applications	Huang	H	2014	\$ 165	John Wiley
9781439835043	Simulations in Nanobiotechnology	Eom	H	2012	£ 99	T & F
9789382291107	Superlattice To Nanoelectronics, 2/ED	Tsu	H	2013	₹ 2995	Elsevier Ex
9781847559104	Titanate and Tiania Nanotubes	Bavykin	H	2010	£ 75	RSC Pub