

- 511.6 BOQ8 Boyadzhiev, Khristo N.,
13690 Notes on the binomial transform: theory and table with appendix on Stirling transform / Khristo N. Boyadzhiev Ohio Northern University, USA.. - New Jersey: World Scientific, 2018.
x, 195p.
ISBN : 9789813234970 (hardcover : alk. paper).
1. Transformations (Mathematics) 2. Combinatorial analysis. I. Title

13690
Record No.17643
- 512.5 DRQ5 Dray, Tevian.
13691 The geometry of the octonions / Tevian Dray, , Corinne A. Manogue.. - Singapore: World Scientific, 2015.
xvii, 210p.
ISBN : 9789814401814. .-ISBN : 9814401811.
1. Cayley numbers (Algebra) 2. Cayley algebras. 3. Nonassociative algebras. 4. Geometry, Algebraic. I. Title

13691
Record No.17652
- 515.73 LAQ4 Lafuerza Guille?n, Bernardo,
13692 Probabilistic normed spaces / Bernardo Lafuerza Guille?n, Panackal Harikrishnan.. - London: Imperial College, 2014.
xi, 220 p.
ISBN : 9781783264681 (alk. paper).
1. Normed linear spaces. I. Harikrishnan, Panackal, II. Title

13692
Record No.17650

- 519.233 Kulik, Alexei.
KUQ8 Ergodic behavior of Markov processes: with applications to limit theorems / by Alexei Kulik. - Germany:
13693 DeGruyter, 2018.
 x, 256p.
 ISBN : 9783110458701.
 1. Ergodic behavior 2. Markov Processes. I. Title

 13693
 Record No.17642
- 543.5 ALQ8 Aller, A. J.
13694 Fundamentals of electrothermal atomic absorption spectrometry: a look inside the fundamental
 processes in ETAAS / A-Javier Aller. - New Jersey: World Scientific, 2018.
 xxi, 394p.
 ISBN : 9789813229761 (hardcover : alk. paper).
 1. Atomic absorption spectroscopy. 2. Atomic spectroscopy. 3. Absorption spectra. 4. Spectrum analysis.
 I. Title

 13694
 Record No.17640
- 531.32 SAQ5 Samiullah, Mohammad,
13695 A first course in vibrations and waves / Mohammad Samiullah.. - First edition. - UK: OUP, 2015.
 xiii, 492p.
 Includes index.
 ISBN : 9780198729785. .-ISBN : 0198729782 .-ISBN : 9780198729792 .-ISBN : 0198729790.
 1. Vibration. 2. Waves. 3. Oscillations. 4. Vibration. 5. Waves. I. Title

 13695
 Record No.17653
- 620.11 CAQ6 Carter, C Barry
13696 Transmission Electron Microscopy: Diffraction, Imaging, and Spectrometry / edited by C. Barry Carter,
 David B. Williams.. - Switzerland: Springer, 2016.
 xxxiii,518p.
 ISBN : 9783319266497.
 1. Materials science. 2. Nanoscale science. 3. Nanoscience. 4. Nanostructures. 5. Spectroscopy. 6. Solid
 state physics. 7. Microscopy. 8. Mechanics, Applied. 9. Characterization and Evaluation of Materials. 10.
 Nanoscale Science and Technology. 11. Spectroscopy/Spectrometry. 12. Solid State Physics. 13.
 Spectroscopy and Microscopy. 14. Solid Mechanics. I. Carter, C. Barry. II. Williams, David B. III. Title

 13696

Record No.17656

620.16
GOQ8
13697

Goldstein, Joseph,
Scanning electron microscopy and x-ray microanalysis / by Joseph Goldstein.. - 4th edition.. - New York: Springer, 2018.
xxiii, 550p.
ISBN : 9781493966745 (hard cover : alk. paper).
1. Electron microscopy. I. Title

13697
Record No.17639

531.113301
POQ9
13698

Popivanov, Peter R.,
Nonlinear waves: a geometrical approach / by Petar Popivanov , and Angela Slavova .. - New Jersey: World Scientific, 2019.
xi, 195p.
ISBN : 9789813271609 (hardcover : alk. paper).
1. Nonlinear wave equations. 2. Nonlinear waves. 3. Mathematical physics. 4. Nonlinear partial differential operators. I. Title

13698
Record No.17649

530.12 BEQ2
13699

Beck, Mark
Quantum mechanics: theory and experiment / Mark Beck.. - New York: Oxford University Press, c2012.
xx, 508 p. :
ISBN : 9780199798124 (hardcover : alk. paper). .-ISBN : 0199798125 (hardcover : alk. paper).
1. Quantum theory 2. Mechanics. I. Title

13699
Record No.17658

530.12 GAQ3 Galit'skii?, V. M.

13700

Exploring quantum mechanics: a collection of 700+ solved problems for students, lecturers, and researchers / Victor Galitski, Boris Karnakov, Vladimir Kogan ; translated by Victor Galitski, Jr.. - Oxford: Oxford University Press, 2013.

xiii, 881 p. :

Includes index.

ISBN : 9780199232710 (hbk.) .-ISBN : 0199232717 (hbk.).

1. Quantum theory. I. Karnakov, B. M. II. Kogan, V. I. III. Title

13700

Record No.17657

530.12 DEPO Desai, B. R.

13701

Quantum mechanics with basic field theory / Bipin R. Desai.. - New York: Cambridge University Press, 2010.

xix, 838 p. :

ISBN : 9780521877602 (hbk.) .-ISBN : 0521877601 (hbk.).

1. Quantum theory. 2. Quantum theory. I. Title

13701

Record No.17654

543.5 WOQ5 Workman, Jerry.

13702 ,13703
,13704 ,13705
,13706

The concise handbook of analytical spectroscopy: theory, applications, and reference materials / Jerry Workman.

5 volumes :

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ISBN : 9789814508056 (set) .-ISBN : 9814508055 (set) .-ISBN : 981450808X (v. 1).

1. Spectrum analysis. I. Title

13702 -V1; 13703 -V2; 13704 -V3; 13705 -V4; 13706 -V5

Record No.17663

543.5 WOQ5 Workman, Jerry.
13702 ,13703 The concise handbook of analytical spectroscopy: theory, applications, and reference materials / Jerry
,13704 ,13705 Workman.
,13706 5 volumes :
Volume. 1. Ultraviolet spectroscopy -- volume. 2. Visible spectroscopy -- volume. 3. Near infrared
spectroscopy -- volume. 4. Infrared spectroscopy -- volume. 5. Raman spectroscopy.
ISBN : 9789814508056 (set) .-ISBN : 9814508055 (set) .-ISBN : 981450808X (v. 1).
1. Spectrum analysis. I. Title

13702 -V1; 13703 -V2; 13704 -V3; 13705 -V4; 13706 -V5
Record No.17663

543.5 WOQ5 Workman, Jerry.
13702 ,13703 The concise handbook of analytical spectroscopy: theory, applications, and reference materials / Jerry
,13704 ,13705 Workman.
,13706 5 volumes :
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spectroscopy -- volume. 4. Infrared spectroscopy -- volume. 5. Raman spectroscopy.
ISBN : 9789814508056 (set) .-ISBN : 9814508055 (set) .-ISBN : 981450808X (v. 1).
1. Spectrum analysis. I. Title

13702 -V1; 13703 -V2; 13704 -V3; 13705 -V4; 13706 -V5
Record No.17663

543.5 WOQ5 Workman, Jerry.
13702 ,13703 The concise handbook of analytical spectroscopy: theory, applications, and reference materials / Jerry
,13704 ,13705 Workman.
,13706 5 volumes :
Volume. 1. Ultraviolet spectroscopy -- volume. 2. Visible spectroscopy -- volume. 3. Near infrared
spectroscopy -- volume. 4. Infrared spectroscopy -- volume. 5. Raman spectroscopy.
ISBN : 9789814508056 (set) .-ISBN : 9814508055 (set) .-ISBN : 981450808X (v. 1).
1. Spectrum analysis. I. Title

13702 -V1; 13703 -V2; 13704 -V3; 13705 -V4; 13706 -V5
Record No.17663

- 543.5 WOQ5 Workman, Jerry.
13702 ,13703 The concise handbook of analytical spectroscopy: theory, applications, and reference materials / Jerry
,13704 ,13705 Workman.
,13706 5 volumes :
Volume. 1. Ultraviolet spectroscopy -- volume. 2. Visible spectroscopy -- volume. 3. Near infrared
spectroscopy -- volume. 4. Infrared spectroscopy -- volume. 5. Raman spectroscopy.
ISBN : 9789814508056 (set). .-ISBN : 9814508055 (set) .-ISBN : 981450808X (v. 1).
1. Spectrum analysis. I. Title
- 13702 -V1; 13703 -V2; 13704 -V3; 13705 -V4; 13706 -V5
Record No.17663
- 531 GUP9 Gurtin, Morton E.
13707 The mechanics and thermodynamics of continua / Morton E. Gurtin, Eliot Fried, Lallit Anand.. - New
York: Cambridge University Press, 2010.
xxi, 694 p. :
ISBN : 9780521405980 (hardback). .-ISBN : 052140598X (hardback).
1. Continuum mechanics 2. Thermodynamics. I. Title
- 13707
Record No.17655
- 530.12 HEQ9 Heunen, Christiaan Johan Marie,
13708 Categories for quantum theory: an introduction / Chris Heunen and Jamie Vicary. - First edition.. - UK:
OUP, 2019.
xii, 324p.
ISBN : 9780198739623. .-ISBN : 9780198739616.
1. Categories (Mathematics) 2. Quantum theory. I. Title
- 13708
Record No.17641
- 531.11 NOQ9 Nolte, D. D.,
13710 Introduction to modern dynamics: chaos, networks, space and time / David D. Nolte, Purdue University..
- Second edition.. - UK: OUP, 2019.
xviii, 479p.
Previous edition: 2015. Includes index.
ISBN : 9780198844624. .-ISBN : 019884462X .-ISBN : 9780198844631 .-ISBN : 0198844638.
1. Dynamics. 2. Dynamics 3. Motion. 4. Chaotic behavior in systems. 5. Dynamics. I. Title
- 13710

Record No.17659

541.394 LIR5 Lindenberg, Katja

13711

Chemical kinetics: beyond the textbook / edited by Katja Lindenberg Ralf Metzler , & Gleb Oshanin. -
New Jersey: World Scientific, 2018.
xii, 605p.

ISBN : 9781786347008 (hc).

1. Chemical kinetics. 2. Reactivity (Chemistry). I. Lindenberg, Katja, II. Metzler, Ralf, III. Oshanin, G. IV.
Title

13711

Record No.17645

512.72 KOQ8 Koshy, Thomas.

13712

Fibonacci and Lucas numbers with applications / Thomas Koshy, Framingham State University.. -
Second edition.

ISBN : 9781118742129 (cloth : v. 1). .-ISBN : 1118742125 (cloth : v. 1) .-ISBN : 9781118742082
(hardcover : v. 2).

1. Fibonacci numbers. 2. Lucas numbers. I. Title

13712

Record No.17647

530.12 PAQ8 Paranjape, M. B.,

13713

The theory and applications of instanton calculations / Manu Paranjape (Universite? de Montre?al).. -
UK: OUP, 2018.
xiv, 300p.

Quantum mechanics and the path integral -- The symmetric double well -- Decay of a meta-stable state -
- Quantum field theory and the path integral -- Decay of the false vacuum -- Large orders in perturbation
theory -- Quantum electrodynamics in 1+1 dimensions -- The Polyakov proof of confinement -- Monopole
pair production -- Quantum chromodynamics (QCD) -- Instantons, supersymmetry and Morse theory.
ISBN : 9781107155473. .-ISBN : 1107155479.

1. Quantum field theory 2. Instantons. I. Title

13713

Record No.17648

- 531 SUQ5 Sussman, Gerald Jay.
13714 Structure and interpretation of classical mechanics / Gerald Jay Sussman and Jack Wisdom.. - Second edition.
xxi, 554p.
ISBN : 9780262028967 (hardcover : alk. paper).
1. Mechanics. I. Wisdom, Jack. II. Title
- 13714
Record No.17646
- 531.14 MIQ7 Misner, Charles W.,
13715 Gravitation / Charles W. Misner, Kip S. Thorne, John Archibald Wheeler ; with a new foreword by David I. Kaiser and a new preface by Charles W. Misner and Kip S. Thorne.
I, 1279 pages :
"Original edition published in 1973 by W.H. Freeman and Company"--Copyright page.
ISBN : 9780691177793 (hbk.) .-ISBN : 0691177791 (hbk.).
1. Gravitation. 2. Astrophysics. 3. General relativity (Physics) 4. Astrophysics. 5. General relativity (Physics) 6. Gravitation. I. Thorne, Kip S., II. Wheeler, John Archibald, III. Kaiser, David. IV. Title
- 13715
Record No.17662
- 538.36 KAR8 Karunakaran, Chandran,
13716 Spin resonance spectroscopy: principles and applications / Chandran Karunakaran.. - Netherland: Elsevier, 2018.
xv, 362p.
Note continued: Machine generated contents note:
ISBN : 9780128136089 (paperback). .-ISBN : 0128136081 (paperback).
1. Nuclear magnetic resonance. 2. Electron paramagnetic resonance. 3. Electron paramagnetic resonance spectroscopy. 4. Electron paramagnetic resonance. 5. Electron paramagnetic resonance spectroscopy. 6. Nuclear magnetic resonance. I. Title
- 13716
Record No.17651

- 621.381 Glazov, M M.
GLQ8 Electron and nuclear spin dynamics in semiconductor nanostructures / M. M. Glazov. - 1st edition.. - UK:
13717 OUP, 2018.
 x, 283p.
 ISBN : 9780198807308 (hardback : alk. paper).
 1. Spin dynamics 2. Semiconductor nanostructures. I. Title

 13717
 Record No.17644
- 610.284 Loret, B.,
LOQ7 Biomechanical aspects of soft tissues / Benjamin Loret and Fernando Manuel Fernandes Simoes. -
13718 Boca Raton: CRC Press, 2017.
 xiii,1097p.
 ISBN : 9781498752398 (alk. paper).
 1. Biomedical materials. 2. Tissue engineering. I. Simoes, Fernando Manuel Fernandes, II. Title

 13718
 Record No.17661
- 616.0754 Tuchin, Valery V
TUQ6 Handbook of optical biomedical diagnostics / Valery V. Tuchin, editor.. - Second edition.. - USA: SPIE,
13719 ,13720 2016.
 2 volumes (lxxii, 784; xxii, 642 pages) :
 "SPIE Vol. No.: PM262"--Page 4 of cover, volume 1. "SPIE Vol. No.: PM262"--Page 4 of cover, volume
 2.
 v. 1. Light-tissue interaction and spectroscopy -- v. 2. Tissue spectroscopy and coherent-domain
 imaging.
 ISBN : 9781628419092 (v. 1 : alk. paper). .-ISBN : 1628419091 (v. 1 : alk. paper).
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 Microscopy, Confocal. 6. Spectrum Analysis. I. Title

 13719 -V1; 13720 -V2
 Record No.17660

616.0754
TUQ6
13719 ,13720

Tuchin, Valery V

Handbook of optical biomedical diagnostics / Valery V. Tuchin, editor.. - Second edition.. - USA: SPIE, 2016.

2 volumes (lxxii, 784; xxii, 642 pages) :

"SPIE Vol. No.: PM262"--Page 4 of cover, volume 1. "SPIE Vol. No.: PM262"--Page 4 of cover, volume 2.

v. 1. Light-tissue interaction and spectroscopy -- v. 2. Tissue spectroscopy and coherent-domain imaging.

ISBN : 9781628419092 (v. 1 : alk. paper). .-ISBN : 1628419091 (v. 1 : alk. paper).

1. Imaging systems in medicine 2. Lasers in medicine 3. Spectroscopic imaging 4. Diagnostic Imaging 5. Microscopy, Confocal. 6. Spectrum Analysis. I. Title

13719 -V1; 13720 -V2

Record No.17660