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000 GENERALITIES

Ray, A. K.

[Advanced microprocessors and peripherals.](#)

New Delhi: McGraw-Hill, 2006. XX, 723.

004.16/RAY

GB2262

Davies, E. R.

[Computer and machine vision: theory, algorithms, practicalities.](#)

Waltham: Elsevier, 2012. XXXVI, 871.

006.37/DAV

22464

300 SOCIAL SCIENCES

Dirks, Nicholas B.

[Castes of mind: colonialism and the making of modern India.](#)

Princeton: Princeton University Press, 2001. XIII, 372.

305.5122/DIR

22465

400 LANGUAGE

Dengler, Stefanie.

[Netzwerk:deutschalsfremdsprache A1.](#)

New Delhi: Goyal Publishers, 2013. 168.

438.3421/DEN

GB2247

Dengler, Stefanie.

[Netzwerk: textbook for german.](#)

New Delhi: Goyal Publishers, 2013. 168.

438.3421/DEN

GB2249

500 NATURAL SCIENCES

Heilbron, J. L.

[Oxford companion to the history of modern science.](#)

Oxford: Oxford University Press, 2003. XXVIII, 941.

509/HEI

22488

Selin, Helaine.

[Encyclopaedia of the history of science, technology, and medicine in non-western cultures Vol.01 A.](#)

Dordrecht: Springer, 2016. XXXVII, 805.

509/SEL

22403

[Go to top](#)

Selin, Helaine.

[Encyclopaedia of the history of science, technology, and medicine in non-western cultures Vol.02 B-E.](#)

Dordrecht: Springer, 2016. XXXVII, 807-1848.

509/SEL

22404

Selin, Helaine.

[Encyclopaedia of the history of science, technology, and medicine in non-western cultures Vol.03 F-L.](#)

Dordrecht: Springer, 2016. XXXVII, 1849-2579.

509/SEL

22405

Selin, Helaine.

[Encyclopaedia of the history of science, technology, and medicine in non-western cultures Vol.04 M-P.](#)

Dordrecht: Springer, 2016. XXXVII, 2579-3624.

509/SEL

22406

Selin, Helaine.

[Encyclopaedia of the history of science, technology, and medicine in non-western cultures Vol.05 Q-Z.](#)

Dordrecht: Springer, 2016. XXXVII, 3624-4706.

509/SEL

22407

510 MATHEMATICS

Kreyszig, Erwin.

[Advanced engineering mathematics.](#)

New Delhi: Wiley India, 2010. XVI, 1156.

510/KRE

GB2261

Rosenthal, Daniel.

[Readable introduction to real mathematics.](#)

Cham: Springer, 2018. XVIII, 218.

510/ROS

22457

Steinhaus, Hugo.

[Mathematical snapshots.](#)

Oxford: Oxford University Press, 1983. 311.

510/STE

22504

Zakeri, Saeed.

[Rotation sets and complex dynamics.](#)

Cham: Springer, 2018. XIV, 124.

511.322/ZAK

22442

[Go to top](#)

Schmidt, Gunther.

[Relational topology.](#)

Cham: Springer, 2018. XIV, 191.

511.324/SCH

22438

Di Nasso, Mauro.

[Nonstandard methods in Ramsey theory and combinatorial number theory.](#)

Cham: Springer, 2019. XVI, 206.

511.6/DI NAS

22430

Stanley, Richard P.

[Algebraic combinatorics: walks, trees, tableaux, and more.](#)

Cham: Springer, 2018. XVI, 263.

511.6/STA

22458

Kim, Sang Hyun.

[Flexibility of group actions on the circle.](#)

Cham: Springer, 2019. X, 134.

512.2/KIM

22434

Heiermann, Volker. _Ed

[Relative aspects in representation theory, Langlands functoriality and automorphic forms:](#)

CIRM Jean-Morlet Chair, Spring 2016.

Cham: Springer, 2018. VII, 364.

512.22/HEI

22448

Steinberg, Benjamin.

[Representation theory of finite groups: an introductory approach.](#)

New York: Springer, 2012. XIII, 157.

512.23/STE

22388(Chk-Out)

Farb, Benson.

[Noncommutative algebra.](#)

New York: Springer, 1993. XIV, 223.

512.24/FAR

22384

Herzog, Jurgen.

[Binomial ideals.](#)

Cham: Springer, 2018. XIX, 321.

512.44/HER

22454

[Go to top](#)

Gille, Philippe.

[Groupes algébriques semi-simples en dimension cohomologique \$\leq 2\$: Semisimple algebraic groups in cohomological dimension \$\leq 2\$.](#)

Cham: Springer, 2019. XXII, 169.

512.2/GIL

22429

Pierce, R.S.

[Associative algebras.](#)

New York: Springer-Verlag, 1982. XII, 436.

512.24/PIE

22381

Berhuy, Gregory.

[Introduction to central simple algebras and their applications to wireless communication.](#)

Providence: American Mathematical Society, 2013. VIII, 276.

512.3/BER

22492

Cuong, Nguyen Tu. _Ed

[Commutative algebra and its interactions to algebraic geometry: VIASM 2013-2014.](#)

Cham: Springer, 2018. IX, 256.

512.44/CUO

22441

Kac, Victor G.

[Lie groups, geometry, and representation theory: a tribute to the life and work of Bertram Kostant.](#)

Cham: Birkhauser, 2018. XII, 540.

512.482/KAC

22459

Axler, Sheldon. _Sed

[Linear algebra done right.](#)

New York: Springer, 2015. XVII, 340.

512.5/AXL

22402

Olver, Peter J.

[Applied linear algebra.](#)

Cham: Springer, 2018. XXV, 679.

512.5/OLV

22419

Bohm, Gabriella.

[Hopf algebras and their generalizations from a category theoretical point of view.](#)

Cham: Springer, 2018. XI, 163.

512.55/BOH

22453

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Takloo-Bighash, Ramin.

[Pythagorean introduction to number theory: right triangles, sums of squares, and arithmetic.](#)

Cham: Springer, 2018. XVIII, 279.

512.7/TAK

22455

Pitale, Ameya.

[Siegel modular forms: a classical and representation-theoretic approach.](#)

Cham: Springer, 2019. IX, 138.

512.73/PIT

22427

Aubert, Anne-Marie.

[Representations of reductive p-adic groups : International Conference, IISER, Pune, India, 2017.](#)

Singapore: Birkhauser, 2019. XIII, 289.

512.74/AUB

22431

Alvarez Lopez, Jesus A.

[Generic coarse geometry of leaves.](#)

Cham: Springer, 2018. XV, 173.

514.72/ALV

22443

Ghorpade, Sudhir.

[Course in calculus and real analysis.](#)

Cham: Springer, 2018. IX, 538.

515/GHO

22456

Apushkinskaya, Darya.

[Free boundary problems: regularity properties near the fixed boundary.](#)

Cham: Springer, 2018. XVII, 146.

515.35/APU

22447

Pilyugin, Sergei Yu.

[Shadowing and hyperbolicity.](#)

Cham: Springer, 2017. XIV, 218.

515.352/PIL

22432

Cherniha, Roman.

[Nonlinear reaction-diffusion systems: conditional symmetry, exact solutions and their applications in biology.](#)

Cham: Springer, 2017. XIII, 160.

515.353/CHE

22422

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Guest, Martin A.

[Painlevé III: a case study in the geometry of Meromorphic connections.](#)

Cham: Springer, 2017. XII, 204.

515.355/GUE

22420

Baricz, Arpad.

[Series of Bessel and kummer-type functions.](#)

Cham: Springer, 2017. XIX, 201.

515.53/BAR

22439

Li, Wen-Wei.

[Zeta integrals, Schwartz spaces and local functional equations.](#)

Cham: Springer, 2018. VIII, 141.

515.56/LI

22433

Bezuglyi, Sergey.

[Transfer operators, endomorphisms, and measurable partitions.](#)

Cham: Springer, 2018. X, 162.

515.724/BEZ

22444

Budzynski, Piotr.

[Unbounded weighted composition operators in \$L^2\$ -Spaces.](#)

Cham: Springer, 2018. XII, 180.

515.7246/BUD

22440

Harjulehto, Petteri.

[Orlicz spaces and generalized Orlicz spaces.](#)

Cham: Springer, 2019. X, 169.

515.73/HAR

22426

Kadets, Vladimir M.

[Spear operators between Banach spaces.](#)

Cham: Springer, 2018. XV, 161.

515.732/KAD

22437

Wendl, Chris.

[Holomorphic curves in low dimensions: from symplectic ruled surfaces to planar contact manifolds.](#)

Cham: Springer, 2018. XIII, 294.

515.98/WEN

22445

[Go to top](#)

Aiena, Pietro.

[Fredholm and local spectral theory II: with application to Weyl-type theorems.](#)

Cham: Springer, 2018. XI, 544.

515.7/AIE

22451

Cobzas, Stefan.

[Lipschitz functions.](#)

Cham: Springer, 2019. XIV, 593.

515.7/COB

22428

Conway, John B.

[Course in Functional Analysis.](#)

New York: Springer, 2007. XVI, 399.

515.7/CON

22395

Gustafsson, Bjorn.

[Hyponormal quantization of planar domains: exponential transform in dimension two.](#)

Cham: Springer, 2017. X, 148.

515.9/GUS

22424

Schafer, Lars.

[Nearly pseudo-Kähler manifolds and related special holonomies.](#)

Cham: Springer, 2017. VII, 183.

516.07/SCH

22423

Kobayashi, Toshiyuki.

[Symmetry breaking for representations of rank one orthogonal groups II.](#)

Cham: Springer, 2018. XV, 344.

516.1/KOB

22452

Goodman, Jacob E._Ed

[Handbook of discrete and computational geometry.](#)

Boca Raton: CRC Press, 2018. XXI, 1927.

516.13/GOO

22475

Chambert-Loir, Antoine.

[Motivic integration.](#)

New York: Birkhauser, 2018. XX, 526.

516.35/CHA

22460

[Go to top](#)

Klein, Sebastian.

[Spectral theory for simply periodic solutions of the Sinh-Gordon equation.](#)

Cham: Springer, 2018. VIII, 332.

518.64/KLE

22421

Liu, Liguang.

[Gaussian capacity analysis.](#)

Cham: Springer, 2018. IX, 108.

519.2/LIU

22449

Coupier, David.

[Stochastic geometry: modern research frontiers.](#)

Cham: Springer, 2019. XIII, 232.

519.22/COU

22435

Zacks, Shelemyahu.

[Sample path analysis and distributions of boundary crossing times.](#)

Cham: Springer, 2017. XIII, 135.

519.24/ZAC

22436

Klafter, J.

[First steps in random walks: from tools to applications.](#)

Oxford: Oxford University Press, 2011. VI, 152.

519.282/KLA

22479

Press, William H.

[Numerical recipes in Fortran: the art of scientific computing.](#)

Cambridge: Cambridge University Press, 1992. XXVI, 963, P.

519.402/PRE

GB2264

Giselsson, Pontus.

[Large-scale and distributed optimization.](#)

Cham: Springer, 2018. XIII, 412.

519.6/GIS

22450

520 ASTRONOMY & ALLIED SCIENCES

Saikia, D.J._Ed

[Low frequency radio universe: proceedings of a conference held at National Centre for Radio Astrophysics Vol.407.](#)

San Francisco: Astronomical Society of the Pacific, 2009. 457.

523.01/SAI

GB2257

[Go to top](#)

Langmuir, Charles Herbert.

[How to build a habitable planet: the story of Earth from the big bang to humankind.](#)

New Jersey: Princeton University Press, 2012. XVI, 718.

525/LAN

22502

530 PHYSICS

Feynman, Richard P.

[Feynman lectures on physics Vol.01.](#)

New Delhi: Narosa Publishing House, 1963. XXVI, 608.

530/FEY

GB2250

Padmanabhan, T.

[Theoretical astrophysics Vol. I: astrophysical processes.](#)

New York: Cambridge University Press, 2000. XVII, 600.

530.01/PAD

GB2260

Padmanabhan, T.

[Theoretical astrophysics Vol. II: stars and stellar systems.](#)

New York: Cambridge University Press, 2000. XVII, 575.

530.01/PAD

GB2259

Padmanabhan, T.

[Theoretical astrophysics Vol. III: galaxies and cosmology.](#)

New York: Cambridge University Press, 2000. XVII, 616.

530.01/PAD

GB2258

Landau, Rubin H.

[Computational Physics: problem solving with python.](#)

Hoboken: Wiley - VCH, 2015. XII, 622.

530.0113/LAN

22463

HernándezLamonedá, Luis._Ed

[Geometrical themes inspired by the N-body problem.](#)

Cham: Springer, 2018. VII, 125.

530.144/HER

22425

Ashcroft, N.

[Solid state physics.](#)

Australia: Thomson Books, 1976. XXI, 826.

530.41/ASH

GB2265

[Go to top](#)

Rana, N. C.

[Classical mechanics.](#)

New Delhi: Tata McGraw-Hill, 1991. XX, 607.

531/RAN

GB2266

Leodov, I. E.

[Problems in general physics.](#)

Moscow: Mir Publishers, 1981. 387.

536/LRO

GB2270

Forbes, Nancy.

[Faraday, Maxwell, and the electromagnetic field: how two men revolutionized physics.](#)

New York: Prometheus Books, 2014. 320.

537/FOR

22474

Griffiths, David J.

[Introduction to electrodynamics.](#)

New Delhi: PHI learning, 2013. XVIII,599.

537.6/GRI

GB2251

Mani, H. S.

[Introduction to modern physics.](#)

New Delhi: EWP Press, 1988. XII, 443.

539/MAN

GB2256

540 CHEMISTRY & ALLIED SCIENCES

McQuarrie, Donald A.

[Quantum chemistry.](#)

New Delhi: Viva Books, 2007. X, 517.

541.28/MCQ

GB2269

Bockris, J. O'M.

[Modern electrochemistry Vol.01: Ionics.](#)

New York: Springer, 1998. XXVII, 769.

541.37/BOC

22469

Shahi, Ranjeet.

Essentials of organic chemistry.

Meerut: Arihant Publication, 2013. 1438.

547/SHA

GB2252

[Go to top](#)

Smith, Michael B.

[March's advanced organic chemistry: reactions mechanisms and structure.](#)

New Delhi: Wiley India, 2007. XX, 2357.

547/SMI

GB2268

Wade, L.G.

[Organic chemistry.](#)

New Delhi: Pearson Education, 2008. XXXIX,1192.

547/WAD

GB2254

550 EARTH SCIENCES

Pedlosky, Joseph.

[Geophysical fluid dynamics.](#)

New York: Springer, 1982. XII, 624.

551/PED

22417

Philander, S. George.

[El Niño, La Niña, and the southern oscillation.](#)

San Diego: Academic Press, 1990. IX, 293.

551.476/PHI

22412

Salby, Murry L.

[Physics of the atmosphere and climate.](#)

Cambridge: Cambridge University Press, 2012. XIX, 666.

551.5/SAL

22376

560 PALEONTOLOGY

Cowen, Richard.

[History of life.](#)

New Jersey: Wiley, 2013. IX, 302.

560/COW

22483

570 LIFE SCIENCES

Raven, Peter H.

[Biology.](#)

New Delhi: McGraw Hill, 2011. XXX, 1311.

570/RAV

GB2253

[Go to top](#)

Cotterill, Rodney.

[Biophysics: an introduction.](#)

New Delhi: Wiley, 2002. XII, 395.

571.4/COT

GB2263

590 ZOOLOGICAL SCIENCES

Hobson, Keith A.

[Tracking animal migration with stable isotopes.](#)

London: Academic Press, 2019. XIII, 253.

591.568/HOB

22377

Gilbert, Lawrence I. _Ed

[Insect endocrinology.](#)

London: Elsevier, 2012. X, 577.

595.7/GIL

22418

610 MEDICAL SCIENCES & MEDICINE

Wheeler, Ann. _Ed

[Standard and super-resolution bioimaging data analysis: a primer.](#)

Hoboken: John Wiley & Sons, 2018. XIV, 293.

616.0754/WHE

22462

Flint, S Jane.

[Principles of virology Vol.01 molecular biology.](#)

Washington DC: ASM Press, 2015. XXIII, 574.

616.9101/FLI

22471

Flint, S Jane.

[Principles of virology Vol.02 pathogenesis and control.](#)

Washington DC: ASM Press, 2015. XXIII, 437.

616.9101/FLI

22473

Carson, Ben

[Gifted hands.](#)

Grand Rapids: Mich Zondervan Publishing House, 1996. 224.

617.4809/CAR

GB2255

[Go to top](#)

620 ENGINEERING & ALLIED OPERATIONS

Yau, Donald.

[Operads of wiring diagrams.](#)

Cham: Springer, 2018. XI, 308.

621.319/YAU

22446

900 GEOGRAPHY & HISTORY

Guha, Ranajit.

[Dominance without hegemony: history and power in colonial India.](#)

Cambridge: Harvard University Press, 1997. XVII, 245.

954/GUH

22466

[Go to top](#)