



New Additions of Books March 2016

Contents

Subject	Page No.
Generalities	2
Phonology	2
Mathematics	2
Astronomy	6
Physics	7
Chemistry	8
Earth Sciences	8
Life Sciences/ Biology	9
Medical Sciences	10
Engineering & Allied Operations	10
Literature	10

Generalities

- 18469 [Introduction to coding theory](#)
Roth, Ron M.
Cambridge University Press, 2006
003.54/ROT

Phonology

- 18582 [Practical introduction to phonetics](#)
Catford, J.C.
Oxford University Press, 2001
414.8/CAT
- 18420 [Course in phonetics](#)
Ladefoged, Peter
Cengage Learning, 2015
414/LAD

Mathematics

- 18509 [Mathematics++: selected topics beyond the basic courses](#)
Kantor, Ida
American Mathematical Society, 2015
510/KAN
- 18482 [Introduction to mathematical logic](#)
Hermes, Hans
Springer, 1973
511.3/HER
- 18526 [Godel's incompleteness theorems](#)
Smullyan, Raymond M.
Oxford University Press, 1992
511.3/SMU
- 18499 [Discovering modern set theory I: the basics](#)
Just, Winfried
American Mathematical Society, 1996
511.322/JUS
- 18566 [Set theory: an introduction to independence proofs](#)
Kunen, Kenneth
Elsevier, 1980
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[Go to top](#)

- 18500 [Groups and computation II: workshop on groups and computation, June 7-10, 1995](#)
Finkelstein, Larry_Ed.
American Mathematical Society, 1997
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- 18501 [Groups and computation: workshop on groups and computation, October 7-10, 1991](#)
Finkelstein, Larry
American Mathematical Society, 1993
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- 18461 [Commutative ring theory](#)
Matsumura, Hideyuki
Cambridge University Press, 1980
512.4/MAT
- 18577 [Constructive commutative algebra: projective modules over polynomial rings and dynamical grobner bases](#)
Yengui, Ihsen
Springer, 2015
512.44/YEN
- 18517 [Lie algebras and related topics: workshop in honor of Helmut Strade's 70th birthday: lie algebras, May 22-24, 2013, Università degli studi di Milano-Bicocca, Milano, Italy](#)
Avitabile, Marina_Ed.
American Mathematical Society, 2015
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- 18557 [Classical groups, derangements, and primes](#)
Burness, Timothy C.
Cambridge University Press, 2016
512.7/BUR
- 18514 [Trends in number theory: fifth Spanish meeting on number theory, July 8-12, 2013](#)
universidad de Sevilla, Sevilla, Spain
Chamizo, Fernando...[et al.].
American Mathematical Society
512.7/CHA
- 18502 [Introduction to analytic and probabilistic number theory](#)
Tenenbaum, Gerald
American Mathematical Society, 2015
512.73/TEN
- 18486 [P-adic numbers, p-adic analysis, and zeta - functions](#)
Koblitz, Neal.
Springer, 1984
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Go to top

- 18503 [Advanced modern algebra](#)
Rotman, Joseph .J.
American Mathematical Society, 2015
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- 18555 [Functorial knot theory: categories of tangles, coherence, categorical deformations, and topological invariants](#)
Yetter, David N.
World Scientific, 2001
514.224/YET
- 18508 [Quandles: an introduction to the algebra of knots](#)
Elhamdadi, Mohamed
American Mathematical Society, 2015
514.2242/ELH
- 18524 [Hodge theory and classical algebraic geometry](#)
Kennedy, Gary_Ed.
American Mathematical Society, 2015
514.74/KEN
- 18515 [Trends in harmonic analysis and its applications: AMS special session on harmonic analysis](#)
Christensen, Jens G...[et al.].
American Mathematical Society, 2015
515.2433/CHR
- 18464 [Introduction to partial differential equations](#)
Pinchover, Yehuda
Cambridge University Press, 2005
515.35/PIN
- 18505 [Singular perturbation in the physical sciences](#)
Neu, John C.
American Mathematical Society, 2015
515.352/NEU
- 18507 [Partial differential equations: an accessible route through theory and applications](#)
Vasy, Andras
American Mathematical Society, 2015
515.353/VAS
- 18523 [Geometry and topology of submanifolds and currents: 2013 midwest geometry conference \(MGC XIX\), october 19, 2013, Oklah](#)
Li, Weiping_Ed.
American Mathematical Society, 2015
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Go to top

- 18516 [Algebraic and analytic aspects of integrable systems and painleve equations: AMS special session on algebraic and analytic aspects of integrable systems and painleve equations](#)
Dzhamay, Anton_Ed.
American Mathematical Society, 2015
515.39/DZH
- 18574 [Operator theoretic aspects of ergodic theory](#)
Eisner, Tanja...[et al.].
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- 18504 [Problems in real and functional analysis](#)
Torchinsky, Alberto
American Mathematical Society, 2015
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- 18522 [Function spaces in analysis: 7th conference, function spaces, May 20-24, 2014, Southern Illinois University, Edwardsvil](#)
Jarosz, Krzysztof_Ed.
American Mathematical Society, 2015
515.73/JAR
- 18512 [User-friendly introduction to lebesgue measure and integration](#)
Nelson, Gail S.
American Mathematical Society, 2015
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- 18518 [Israel mathematical conference proceedings: complex analysis and dynamical systems VI, sixth international conference](#)
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Agranovsky, Mark L....[et al.].
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- 18534 [Function theory of several complex variables](#)
Krantz, Steven G.
AMS Chelsea Publishing, 1992
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- 18530 [Several complex variables](#)
Narasimhan, Raghavan
University of Chicago Press, 1971
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- 18561 [Elementary calculus: an infinitesimal approach](#)
Keisler, H. Jerome
Dover Publication, 2012
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Go to top

- 18510 [Winding around: the winding number in topology, geometry, and analysis](#)
Roe, John
American Mathematical Society, 2015
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- 18520 [Stacks and categories in geometry, topology, and algebra: CATS4 conference, higher categorical structures and their interactions with algebraic geometry, algebraic topology](#)
Pantev, Tony_Ed.
American Mathematical Society, 2015
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- 18521 [Analysis, complex geometry, and mathematical physics: in honor of Duong H. Phong, May 7-11, 2013, Columbia University](#)
Feehan, Paul M.N._Ed.
American Mathematical Society, 2015
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- 18511 [Differential geometry: curves - surfaces - manifolds](#)
Kuhnel, Wolfgang
American Mathematical Society, 2015
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- 18584 [Ecole d'ete de probabilites de Saint Flour XIV-1984](#)
Carmona, Rene
Springer, 1986
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- 18495 [Theory of stochastic processes I](#)
Gikhman, Iosif I.
Springer, 2004
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- 18559 [Statistical analysis of stochastic processes in time](#)
Lindsey, J.K.
Cambridge University Press, 2004
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Astronomy

- 18449 [Physics of astrophysics Vol. I: radiation](#)
Shu, Frank H.
University Science Books, 1991
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Go to top

18453 [Physics of astrophysics Vol. II: gas dynamics](#)
Shu, Frank H.
University Science Books, 1992
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Physics

18513 [Feynman amplitudes, periods, and motives: international research conference on periods and motives: a modern perspective on renormalization](#)
Alvarez-Consul, Luis_Ed.
American Mathematical Society, 2015
530.15/ALV

18477 [Brownian motion and stochastic calculus](#)
Karatzas, Ioannis
Springer, 1998
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18576 [Optics of semiconductor microcavities: electron-hole pairs and photon intercation enhanced by a cavity](#)
Park, Sahnggi
LAP Lambert Academic Publishing, 2010
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18441 [Quantum Optics](#)
Agarwal, Girish S.
Cambridge University Press, 2013
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18506 [Random operators: disorder effects on quantum spectra and dynamics](#)
Aizenman, Michael
American Mathematical Society, 2015
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18558 [Nonlinear optical cavity dynamics: from microresonators to fiber lasers](#)
Grelu, Philippe_Ed.
Wiley-VCH, 2016
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18583 [Computational electrodynamics: the finite-difference time-domain method](#)
Taflove, Allen
Artech House, 2005
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Go to top

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- 18556 [Crucibles: the story of chemistry from ancient alchemy to nuclear fission](#)
Jaffe, Bernard M.
Dover Publications Inc, 1948
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- 18554 [Chemical principles](#)
Zumdahl, Steven S.
Cengage Learning, 2017
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Earth Sciences

- 18545 [Earth science](#)
Tarbuck, Edward J.
Pearson, 2015
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- 18473 [Principles of seismology](#)
Udias, Agustin
Cambridge University Press, 1999
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- 18445 [Geomorphology: the mechanics and chemistry of landscapes](#)
Anderson, Robert S.
Cambridge University Press, 2010
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- 18440 [Quantitative modeling of earth surface processes](#)
Pelletier, Jon D.
Cambridge University Press, 2008
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- 18490 [Physics of climate](#)
Peixoto, Jose P.
Springer, 1992
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- 18575 [Continental flood basalts](#)
Maccougall, J.D_Ed.
Kluwer Academic Publishers, 1988
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Go to top

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Arnold, Michael L.
Oxford University Press, 2016
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18560 [DNA methylation and complex human disease](#)
Neidhart, Michel
Elsevier, 2016
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Life Sciences/ Biology

18565 [Personalized epigenetics](#)
Tollefsbol, Trygve O._Ed.
Elsevier, 2015
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18562 [Epigenetic gene expression and regulation](#)
Huang, Suming_Ed.
Elsevier, 2016
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18539 [Behavioral neurobiology: the cellular organization of natural behavior](#)
Carew, Thomas J.
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18564 [Epigenomics in health and disease](#)
Fraga, Mario
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18457 [Brock biology of microorganisms](#)
Madigan, Michael T... [et al.].
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18459 [Principles of animal behaviour](#)
Dugatkin, Lee Alan.
W.W Norton, 2014
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18436 [Behavioral neurobiology: an integrative approach](#)
Zupanc, Gunther K. H.
Oxford University Press, 2010
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[Go to top](#)

18563 [Epigenome and developmental origins of health and disease](#)
Rosenfeld, Cheryl S._Ed.
Elsevier, 2016
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Medical Sciences

18537 [Mammary gland as an experimental model: a subject collection from cold spring harbor perspectives in biology](#)
Bissell, Mina J._Ed.
Cold Spring Harbor Laboratory Press, 2011
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Engineering & Allied Operations

18519 [Algebra for secure and reliable communication modeling: CIMPA research school and conference algebra for secure and reliable communication modeling](#)
Lahyane, Mustapha_Ed.
American Mathematical Society, 2015
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Literature

18525 [Primer of mathematical writing: being a disquisition on having your ideas recorded,](#)
typeset, published, read and appreciated
Krantz, Steven G.
American Mathematical Society, 1997
808.0665/KRA

18585 [Introduction to narratology](#)
Fludernik, Monika
Routledge, 2006
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Go to top