



New Additions of Books October 2015

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Generalities

- 18147 Modern Fortran explained
Metcalf, Michael.
Oxford University Press, 2011
005.342/MET
- 18141 Data science & big data analytics: discovering, analyzing, visualizing and presenting data
EMC Education Services.
Wiley, 2015
005.75/EMC
- 18089 Neural network learning: theoretical foundations
Anthony, Martin.
Cambridge University Press, 1999
006.32/ANT

Social Sciences

- 18092 Discovering statistics using R
Field, Andy.
Sage, 2012
300.15195/FIE
- 18136 Looking away: inequality, prejudice and indifference in new India
Mander, Harsh.
Speaking Tiger, 2015
305.0954/MAN
- 18137 To the brink and back: India's 1991 story
Ramesh, Jairam.
Rupa Publications, 2015
320.954/RAM

Economics

- 18139 Hubris: why economists failed to predict the crisis and how to avoid the next one
Desai, Meghnad.
Yale University Press, 2015
330.0112/DES
- 18101 Non stop India
Tully, Mark.
Penguin India, 2011
330.954/TUL

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18100 Uncertain glory: India and its contradictions
Dreze, Jean.
Penguin, 2013
338.954/DRE

Mathematics

18135 Scientific computing with case studies
O'Leary, Dianne P.
Society for Industrial and Applied Mathematics, 2009
510.285/OLE

18130 Minimum action curves in degenerate Finsler metrics: existence and properties
Heymann, Matthias.
Springer, 2015
510/HEY

18096 Character theory of finite groups
Isaacs, I. Martin
Dover Publications, Inc., 1976
510/ISA

18097 Field arithmetic
Fried, Michael D.
Springer-Verlag , 2008
512.3/FRI

18124 Fractal geometry, complex dimensions and zeta functions: geometry and spectra of fractal strings
Lapidus, Michel L.
Springer, 2013
514.742/LAP

18131 First course in differential equations
Logan, J. David.
Springer, 2015
515.35/LOG

18150 Real mathematical analysis
Pugh, Charles C.
Springer, 2015
515.8/PUG

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- 18125 Hardy spaces on Ahlfors-regular quasi metric spaces: a sharp theory
Alvarado, Ryan.
Springer, 2015
515.94/ALV
- 18129 Multiplication operators on the Bergman space
Guo, Kunyu.
Springer, 2015
515.98/GUO
- 18127 Real analysis via sequences and series
Little, Charles H.C.
Springer, 2015
515/LIT
- 18128 Mathematics of a periodic order
Kellendonk, Johannes_Ed.
Birkhauser, 2015
516.11/KEL
- 18151 Rational points on elliptic curves
Silverman, Joseph H.
Springer, 2015
516.352/SIL
- 18106 Probability: theory and examples
Durrett, Rick
Cambridge University Press, 2010
519.2/DUR
- 18126 Correlated random systems: five different methods: CIRM Jean-Morlet Chair, Spring 2013
Gayard, Veronique_Ed.
Springer, 2015
519.2/GAY
- 18138 Stochastic differential equations and diffusion processes
Ikeda, Nobuyuki.
North-Holland Publishing Company, 1989
519.2/IKE
- 18140 Statistics done wrong: the woefully complete guide
Reinhart, Alex.
No Starch Press, 2015
519.5/REI

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Physics

- 18117 Dreams that stuff is made of : the most astounding papers on quantum physics--and how they shook the scientific world
Hawking, Stephen.
Running Press,
530.12/HAW
- 18148 Nonlinear optical and atomic systems: at the interface of physics and mathematics
Besse, Christophe_Ed.
Springer, 2015
535.2/BES
- 18115 Molecular driving forces: statistical thermodynamics in biology, chemistry, physics, and nanoscience
Dill, Ken A.
Garland Science, 2011
536.7/DIL
- 18149 Computational electromagnetism
Cetraro, Italy 2014
Haddar, Houssein.
Springer, 2015
537.6/HAD
- 18133 Supersymmetry demystified
Labelle, Patrick.
McGraw-Hill, 2010
539.725/LAB

Chemistry & Allied Sciences

- 18142 Essence of chromatography
Poole, Colin F.
Elsevier, 2003
543.089/POO
- 18120 Student solutions manual to accompany modern analytical chemistry
Harvey, David T
MC Graw Hill
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- 18107 Perspectives on structure and mechanism in organic chemistry
Carroll, Felix A.
Wiley, 2010
547.13/CAR
- 18111 Fundamentals of polymerization
Mandal, Broja M.
World Scientific, 2013
547.28/MAN
- 18098 Solid state physics: structure and properties of materials
Wahab, M. A.
Narosa Publishing House, 2015
548.8/WAH

Life Sciences/ Biology

- 18088 Biocalculus: calculus, probability, and statistics for the life sciences
Stewart, James.
Cengage Learning, 2016
570.151/STE
- 18095 Biometry: the principles and practice of statistics in biological research
Sokal, Robert R.
W. H. Freeman , 2012
570.15195/SOK
- 18122 Quorum sensing vs quorum quenching: a battle with no end in sight
Kalia, Vipin Chandra_Ed.
Springer, 2015
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- 18119 Molecules of life: physical and chemical principles
Kuriyan, John.
Garland Science, 2013
572.33/KUR
- 18116 Epigenetics
Allis, C. David_Ed.
Cold Spring Harbor Laboratory Press, 2015
572.865/ALL

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18121 Genus Jasminum in cultivation
Green, Peter.
Royal Botanic Gardens, 2009
583.87/GRE

18110 Survival strategies: cooperation and conflict in animal societies
Gadagkar, Raghavendra.
Universities Press, 1997
591.5/GAD

Engineering & Allied Operations

18134 Digital signal processing: using matalab and wavelets
Weeks, Michael.
Jones & Bartlett India Pvt. Ltd., 2013
621.38043/JON

18123 Deterministic and stochastic optimal control
Fleming, Wendell H.
Springer-Verlag, 1975
629.8312/FLE

Geography

18099 Land of the seven rivers: a brief history of India's geography
Sanyal, Sanjeev.
Penguin India, 2012
911.54/SAN

Ph.D Thesis

TH40 Recognition, distortion and allosteric control during purine catalysis
Student: Karnawat, Vishakha
Supervisor: Dr. Mrinalini Puranik

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