

Engineering, Math and Computer Science Library
June 2008
New Book List

Call Number	Title	Author
	<i>New Reference Books</i>	
QA 166 .H36 2004	Handbook of Graph Theory	Gross, J. & Yellen, J., eds.
QA 431 .P65 2008	Handbook of Integral Equations	Polyanin & Manzhirov
TP 168 .R49 2007	Handbook of Chemical and Environmental Engineering Calculations	Reynolds, J.
	<i>New Oversize Books</i>	
QA 76.9 .A25 D466 2007	D.O.D. Sponsored: New Methods for Protecting Against Cyber Threats	Wang, C., et al., eds.
TS 183 .T47 2007	Manufacturing Processes for Design Professionals	Thompson, R.
	<i>Other New Books</i>	
QA 9.615 .B87 2005	Super-recursive Algorithms	Burgin, M.
QA 9.7 .A48 2008	Simple Groups of Finite Morley Rank	Altinel, T., et al.
QA 10 .R475 2007	Residuated Lattices: an Algebraic Glimpse at Substructural Logics	Galatos, N., et al.
QA 19 .M87 L69 2006	Musimathics: The Mathematical Foundations of Music	Loy, G.
QA 21 .B96 2007	The History of Mathematics: An Introduction	Burton, D.
QA 21 .C649 2005	The History of Mathematics: A Brief Course	Cooke, R.
QA 76.64 .M385 2002	Ruby in a Nutshell: a desktop quick reference	Matsumoto, Y.
QA 76.642 .L558	Principles of Parallel Programming	Lin, Yun Calvin
QA 76.76 .C672 D865 2008 +1 DISC	Game Development Essentials: Gameplay Mechanics	Dunniway and Novak
QA 76.76 .D47 M28 2008	Software Process Dynamics	Madachy, R.
QA 76.889 .M67 2008	Quantum Bits and Quantum Secrets	Morsch, O.
QA 76.9 .D26 H355 2008	Information Modeling and Relational Databases	Halpin & Morgan

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QA	76.9 .H85 D858 2008	Moderating Usability Tests: Principles and Practice for Interacting	Dumas & Loring
QA	159 .A445 2008	Algebra in the Early Grades	Kaput, J., et al., eds.
QA	161 .B5 H55 2007	Negative Binomial Regression	Hilbe, J.
QA	161 .P59 M36 2007	Numerical Methods for Roots of Polynomials	McNamee, J.M.
QA	161 .P59 T53 2007	Polynomials and Vanishing Cycles	Tibar, M.
QA	162 .G375 2008	Abstract Algebra	Garrett, P.
QA	165 .B66 2004	Combinatorics of Permutations	Bona, M.
QA	174.2 .F746 2007	Langlands Correspondence for Loop Groups	Frenkel, E.
QA	176 .G75 2007	Group Representation Theory	Geck, M., et al., eds.
QA	184.2 .R66 2008	Advanced Linear Algebra	Roman, S.
QA	247 .C48 2005	A Field Guide to Algebra	Chambert-Loir, A.
QA	247 .M57 2008	Determinantal Ideals	Miro-Roig, R.
QA	247 .S99 2007	Syzygies and Hilbert Functions	Peeva, I., ed.
QA	248 .H73 2006	BCI-Algebra	Huang, Y.
QA	252.3 .T38 2005	Lie Algebras and Algebraic Groups	Tauvel, Patrice
QA	268 .R53 2008	Modern Coding Theory	Richardson, T.
QA	273 .R845 2007	A Second Course in Probability	Ross & Peko
QA	276 .W4423 2008	Statistics Using SPSS: an Integrative Approach	Weinberg, Sharon L.
QA	276.12 .M6453 2007	Engineering Statistics	Montgomery, D., et al.
QA	279 .A873 2007	Optimum Experimental Designs, with SAS	Atkinson, A., et al.
QA	297.5 .B885 2007	Saddlepoint Approximations with Applications	Butler, R.
QA	279.5 .G65 2007	Bayes Linear Statistics: Theory and Methods	Goldstein & Wooff
QA	297.8 .A74 2007	Computational Theory of Iterative Methods	Argyros, Ioannis K

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QA	308 .B67 2004	Irresistible Integrals	Boros & Moll
QA	320 .H36 2006	Functional Analysis: Entering Hilbert Space	Hansen, V.
QA	320 .P765 2008	A First Course in Functional Analysis	Promislow, S.
QA	329.2 .D385 2007	Linear Operators and Their Spectra	Davies, E.
QA	331.7 .I58 2006	Complex Analysis and Dynamical Systems III...	Agranovsky, M., et al., eds.
QA	371 .E28 2008	Differential Equations and Boundary Value Problems: Computing and Modeling	Edwards, C., et al.
QA	402 .C35 2007	Scale-Free Networks: Complex Webs in Nature and Technology	Caldarelli, G.
QA	402.3 .L4875 2008	Optimal and Robust Estimation: With an Introduction to Stochastic Control Theory	Lewis, F., et al.
QA	402.37 .C483 2008	Stochastic Control of Hereditary Systems and Applications	Chang, M.
QA	403 .C43 2008	Harmonic Analysis on Finite Groups: Representation Theory	Ceccherini-Silberstein, Tullio
QA	445 .S763 2005	The Four Pillars of Geometry	Stillwater, John
QA	491 .D46 2007	Geometric Folding Algorithms: Linkages, Origami, Polyhedra	Demaine & O'Rourke
QA	559 .K46 2005	Conics	Kendig, Keith
QA	564 .F55 2007	Flips For 3-Folds and 4-Folds	Corti, A., ed.
QA	564 .P48 2008	Mixed Hodge Structures	Peters, C.
QA	611 .M47 2006	Topology Now!	Messer & Straffin
QA	611 .O562 2007	Open Problems in Topology II	Pearl, E., ed.
QA	612.2 .H33 2005	Handbook of Knot Theory	Menasco, W. and Thistlethwaite, M., eds.
QA	613 .W44 2008	Differential Analysis on Complex Manifolds	Wells, R.
QA	613.62 .C35 2007	Foliations and Geometry of 3-Manifolds	Calegari, Danny
QA	613.659 .G45 2008	An Introduction to Contact Topology	Geiges, Hansjorg

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QA	808.2 .D86 2006	Nonlinear Continua	Dvorkin &Goldschmit
QA	871 .L536 2007	Stability of Dynamical Systems	Liao, X., et al.
QA	901 .K86 2008	Fluid Mechanics	Kundu, P., et al.
QA	911 .N65 2007	Nonlinear Dynamics of Rotating Shallow Water: Methods and Advances	Zeitlin, V.
QC	20.7 .G76 S56 2005	Linearity, Symmetry, and Prediction in the Hydrogen Atom	Singer, S.
R	853 .S7 M697 2008	Elementary Bayesian Biostatistics	Moye, L.
R	856 .N48 2008	Neuroengineering	DiLorenzo, D. and Bronzino, J., eds.
R	857 .E52 E44 2008	Electrochemical Sensors, Biosensors, and their Biomedical Applications	Zhang, X., eds.
T	174.7 .R64 2008	Nanotechnology: Understanding Small Systems	Rogers, B., et al.
TA	169 .S235 2008	Analyses for Durability and System Design Lifetime: a Multidisciplinary Approach	Saleh, J.
TA	347 .F5 .L56 2006	Finite Element Methods: Accuracy and Improvement	Lin & Lin
TA	357 .D855 2007	Fluid Dynamics with a Computational Perspective	Durbin & Medic
TA	357.5 .M43 F58 1998	Speckle Photography for Fluid Mechanics Measurements	Fomin, N.
TA	357.5 .T87 I47 2007	Implicit Large Eddy Simulation: Computing Turbulent Fluid Dynamics	Grinstein, F., et al.
TA	409 .K86 2008	Fundamentals of Fracture Mechanics	Kundu, T.
TA	409 .M54 2008	Micromechanics of Fracture in Generalized Spaces	Miklashevich, I.
TA	683.2 .R48 2008 OVERSIZE	Reynolds's Reinforced Concrete Designer's Handbook	Reynolds, C.
TA	1634 .G485 2007	Visibility Algorithms in the Plane	Ghosh, S.
TC	175 .J52 2008	Hydrodynamics and Water Quality: Modeling Rivers, Lakes, and Estuaries	Ji, Z.

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TD	193 .P747 2007	Principles of Environmental Chemistry	Harrison, R., ed.
TD	193 .W45 2008	Applications of Environmental Aquatic Chemistry: a Practical Guide	Weiner, E.
TD	345 .S68 2007	Integrated and Participatory Water Resources Management	Soncini Sessa, R.
TD	458 .D47 1989	Design Manual: Fine Pore Aeration Systems	EPA
TD	491 .S93 2008	Design of Water Supply Pipe Networks	Swamee, P.
TD	760 .P75 1983	Process Design Manual for Land Application of Municipal Sludge	EPA
TH	880 .H35 2008	Sustainable Construction	Halliday, S.
TH	7687 .A48317 2007	Air-Conditioning System Design Manual	Grondzik, W.
TJ	163.2 .C44 2007	The Energy Construct: Achieving a Clean, Domestic, and Economical Energy Future	Cipiti, B.
TJ	163.245 .T48 2008	Handbook of Energy Audits	Thumann & Younger
TJ	170 .C58 2005	Mechanics of Machines	Cleghorn, W.L.
TJ	175 .N527 2008	Planar Multibody Dynamics: Formulation, Programming, and Applications	Nikravesh, P.,
TJ	213 .N497 2008	Control Systems Engineering	Nise, N.
TJ	260 .J353 2008	Design and Optimization of Thermal Systems	Jaluria, Y.
TJ	263 .C37 2008	Liquid-Vapor Phase-Change Phenomena...	Carey, V.
TJ	265 .T86 2006 SUPPL.	Property Tables for Thermal Fluids Engineering	Turns & Kraige
TJ	808 .E7613 2007	Renewable Energy: Technology, Economics, and Environment	Kaltschmitt, M., et al.
TJ	853 .N36 2008	Nanofluids: Science and Technology	Das, S., et al.
TJ	1075 .M38 2008	Tribology on the Small Scale: a Bottom Up Approach to Friction, Lubrication, and Wear	Mate, C.
TK	1001 .B58 2007	Electric Power System Basics: for the Nonelectrical Professional	Blume, S.

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TK	1056 .C48 2007	Fundamentals of Thermophotovoltaic Energy Conversion	Chubb, D.
TK	2931 .A33 2007	Stationary Fuel Cells: An Overview	Adamson, K.
TK	3001 .M63 2008	Electric Power Distribution, Automatic, Protection, and Control	Momoh, J.
TK	3111 .A76 2007	Flexible Power Transmission: the HVDC Options	Arrillaga, J., et al.
TK	5102.9 .S793 2007	Streamlining Digital Signal Processing: A Tricks of the Trade Guidebook	Lyons, R., ed.
TK	5103.2 .C4657 2007	OFDM Baseband Receiver Design for Wireless Communications	Chiueh, T.
TK	5103.59 .M3725 2008	Fiber Optical Parametric Amplifiers, Oscillators and Related Devices	Marhic, M.
TK	5103.59 .P37 2007	Passive Optical Networks: Principles and Practice	Lam, C., ed.
TK	5105.5 .M49 2008	Control Techniques for Complex Networks	Meyn, S.
TK	5105.875 .I57 S85 2008	The Web Application Hacker's Handbook: Discovering and Exploiting Security Flaws	Stuttard & Pinto
TK	5105.8885 .A52 D45 2008	Ajax, Rich Internet Applications, and Web Development for Programmers	Deitel & Deitel
TK	6564 .P6 B44 2008	Wireless LAN Radios: System Definition to Transistor Design	Behzad, A.
TK	7867 .N54 2007	Electromagnetics for High-Speed Analog and Digital Communication Circuits	Niknejad, A.
TK	7868 .P6 P694 2008	Power Sources and Supplies: World Class Designs	Brown, M., et al., eds.
TK	7868 .T5 K56 2007	Synchronization and Arbitration in Digital Systems	Kinniment, D.
TK	7871.58 .P6 G75 2007	Switchmode RF Power Amplifiers	Grebennikov, A.
TK	7871.58 .P6 R34 2008	Modeling and Design Techniques for RF Power Amplifiers	Raghavan, A., et al.
TK	7871.67 .M5 P75	Printed Antennas for Wireless Communications	Waterhouse, R., ed.

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	2007		
TK	7871.96 .B55 C73 2008	Circuits and Applications Using Silicon Heterostructure Devices	Cressler, J., ed.
TK	7871.96 .B55 F33 2008	Fabrication of SiGe HBT BiCMOS Technology	Cressler, J., ed.
TK	7871.96 .B55 S54 2008	Silicon Heterostructure Devices	Cressler, J., ed.
TK	7871.99 .M44 B35 2008	CMOS: Circuit Design, Layout, and Simulation	Baker, R.
TK	7872 .C8 M26 2008	Troubleshooting Switching Power Converters: a Hands-on Guide	Maniktala, S.
TK	7872 .D48 U48 2007	Ultra-low Energy Wireless Sensor Networks in Practice: Theory, Realization and Deployment	Kuorilehto, M.
TK	7872 .F5 C35 2007	Microwave Filters for Communication Systems: Fundamentals, Design, and Applications	Cameron, R.
TK	7872 .F5 M67 2007	Surface Acoustic Wave Filters With Applications to Electronic Communications and Signal Processing	Morgan, D.
TK	7872 .F5 P325 2008	Active Filters: Theory and Design	Pactitis, S.
TK	7872 .F73 L33 2007	Integrated Frequency Synthesizers for Wireless Systems	Lacaita, A., et al.
TK	7872 .O7 A14 2007	Modeling and Characterization of RF and Microwave Power FETs	Aaen, P., et al.
TK	7874 .R395 2008	Fundamentals of Microelectronics	Razavi, B.
TK	7874.654 .C42 2007	Analog Circuit Design Techniques at 0.5V	Chatterjee, S., et al.
TK	7874.8 .M58 2008	Introduction to Nanoelectronics: Science, Nanotechnology, Engineering, and Applications	Mitin, V.
TK	7876.5 .M55 2008	Mm-Wave Silicon Technology: 60GHz and Beyond	Hashemi, H. & Niknejad, A., eds.
TK	7881.15 .G84 2008	Electronic Devices on Discrete Components for Industrial and Power Engineering	Gurevich, V.

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TK	7881.4 .B74 2007	Spatial Audio Processing: MPEG Surround and Other Applications	Breebaart, J.
TK	7882 .S65 A275 2008	Advances in Digital Speech Transmission	Martin, R., et al., eds.
TK	7895 .E42 A69 2008	Digital Design: An Embedded Systems Approach Using VHDL	Ashenden, P.
TK	7895 .G36 C485 2008	FPGA Prototyping by VHDL Examples: Xilinx Spartan-3 Version	Chu, P.
TK	7895 .G36 N38 2008	Digital Design and Implementation with Field Programmable Devices	Navabi, Z.
TL	154 .C36 2007	Automotive Engineering: Lightweight, Functional, and Novel Materials	Cantor, B., et al., eds.
TL	570 .A37 2008	Aerodynamics of Low Reynolds Number Flyers	Shyy, W., et al.
TL	574 .A37 W75 2007	Introduction to Aircraft Aeroelasticity and Loads	Wright & Cooper
TL	574 .F5 A89 2008	Asymptotic Theory of Supersonic Viscous Gas Flows	Neiland, V., et al.
TL	709 .F34 2009	Aircraft Propulsion	Farokhi, S.
TN	690 .S56 2007	Physical Metallurgy and Advanced Materials	Smallman, R.
TP	150 .S24 S76 2008	Thermal Safety of Chemical Processes: Risk Assessment and Process Design	Stoessel, F.
TP	248.2 .R465 2008	Biotechnology for Beginners	Renneberg, R.
TP	248.65 .E35 E32 2008	Egg Bioscience and Biotechnology	Mine, Y., ed.
TP	339 .L64 2008	Microbial Fuel Cells	Logan, B.
TP	359 .H8 D74 2007	Pathways to a Hydrogen Future	Drennen & Rosthal
TP	363 .R87 2008	Mass And Heat Transfer: Analysis of Mass Contactors and Heat Exchangers	Russell, T., et al.

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TP	548 .H66 2007	The Chemistry and Biology of Winemaking	Hornsey, I.
TP	1130 .L44 2008	The Plastics Handbook	Lefteri, C.
TR	897.7 .P36 2008	Computer Animation: Algorithms and Techniques	Parent, R.
TS	155.7 .E57 2008	Environment Conscious Manufacturing	Gupta, S., et al., eds.
TS	171.4 .L47 2008	Industrial Design: Materials and Manufacturing Guide	Lesko, J.