

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

Call Number	Title	Author
	<i>New Reference Books</i>	
TA 648 .M36 2005	Manual of Steel Construction: Load and Resistance Factor Design	American Institute of Steel Construction
TK 6561 .N3 2007	Engineering Handbook, 10 th ed.	National Association of Broadcasters
TN 870 .W64 2007	Wiley Critical Content: Petroleum Technology	
	<i>Other New Books</i>	
GC 221.2 .C37 2006	Tsunamis and Hurricanes: A Mathematical Approach	Cap, F.
HB 144 .B557 2007	Game Theory: A Very Short Introduction	Binmore, K.
HD 9502 .U52 E445 2007	Energy and American Society: Thirteen Myths	Sovacool, B. and M. Brown, eds.
HD 9650.5 .G576 2007	The Global Chemical Industry in the Age of the Petrochemical Revolution	Galambos, L. et al., eds.
HF 5691 .S697 2008 (ON RESERVE)	Finite Mathematics: An Applied Approach, 10 th ed.	Sullivan, M.
Q 335 .G55 1993	Essentials of Artificial Intelligence	Ginsberg, M.
QA 3 .E37 2007	Eisenstein Series and Applications	Gan, W., et al., eds.
QA 21 .K35 2004 (ON RESERVE)	The History of Mathematics (brief version)	Katz, V.
QA 76 .D285 2007 (ON RESERVE)	Computer Science Illuminated	Dale & Lewis
QA 76.76 .C672 H373 2007	Game Programming: the L Line : The Express Line to Learning	Harris, A.
QA 76.76 .063 L4318 2007	Linux for Dummies, 8 th ed.	LeBlanc & Blum
QA 76.76 .063 M37157 2008	Beginning Linux Programming	Matthew & Stones

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QA	150 .A44 2007	Algebra, Geometry, and Their Interactions: International Conference Midwest Algebra, Geometry and their Interactions	Corso, A. et al., eds.
QA	164.8 .A36 2007	A Course in Enumeration	Aigner, M.
QA	164 .B66 2006	A Walk Through Combinatorics: An Introduction to Enumeration and Graph Theory	Bóna, M.
QA	167 .S87 2008	Surveys in Contemporary Mathematics	Choi, Y. & Young, N., eds.
QA	246 .L25 2007	L-functions and Galois Representations	Burns, D. et al., eds.
QA	274.23 .K68 2008	Stochastic Ordinary and Stochastic Partial Differential Equations: Transition from Microscopic to Macroscopic Equations	Kotelenez, P.
QA	297 .B84 2005	Numerical Analysis	Burden, R. & Faires, J.
QA	372 .C92 2008	Ordinary Differential Equations: Introduction and Qualitative Theory	Cronin, J.
QA	372 .J6483 2007	Nonlinear Ordinary Differential Equations, Problems, and Solutions: A sourcebook for Scientists and Engineers	Jordan, D.
QA	374 .T378 2001	Mathematical Models in Applied Mechanics	Taylor, A.
QA	379 .V47 2005	Methods and Applications of Singular Perturbations: Boundary Layers and Multiple Timescale Dynamics	Verhulst, F.
QA	402.5 .A27 2008	Optimization Algorithms on Matrix Manifolds	Absil, P.
QA	431 .E43 2005	An Introduction to Difference Equations, 3 rd ed.	Elaydi, S.
QA	612.3 .L4 2007	Rigid Cohomology	Le Stum, B.
QA	613.7 .A57 2007	Hopf Algebras and Generalizations: AMS Special Session on Hopf Algebras at the Crossroads of Algebra, Category Theory, and Topology	Kauffman, L. et al., eds.
QA	614.8 .D946 2007	Dynamics, Ergodic Theory, and Geometry	Hasselblatt, B., ed.

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QA	640.7 .B43 2007	Computing the Continuous Discretely: Integerpoint Enumeration in Polyhedra	Beck, M.
QA	927 .H66 2007	Waves in Oceanic and Coastal Waters	Holthuijsen, L.
QA	927 .R47 2006	Fluids and Waves: Recent Trends in Applied Analysis: Research Conference, May 11-13, 2006, the University of Memphis, Memphis, TN	Bothelo, F. et al., eds.
QA	927 .S64 2007	Solitary Waves in Fluids	Grimshaw, R., ed.
QA	935 .M84 2006	An Introduction to the Mathematical Theory of Vibrations of Elastic Plates	Mindlin, R.
QC	145.2 .G73 2007	Advanced Fluid Mechanics	Graebel, W.
QC	173.96 .I565 2007	Adventures in Mathematical Physics: International Conference in honor of Jean-Michel Combes on Transport and Spectral Problems in Quantum Mechanics	Bishop, P. et al., eds.
QC	191 .W39 2002	Statistical Mechanics of Elasticity	Weiner, J.
QD	142 .H36 2007	Handbook of Water Analysis	Nollet, L., ed.
QH	83 .S45 2003	Phylogenetics	Semple, C. & Steel, M.
R	858 .A2 D38 2007	Data Mining, Systems Analysis, and Optimization in Biomedicine: Gainesville, Florida, U.S.A 28-30 March 2007	Kundakcioglu, O., et al., eds.
TA	1 .A58 NO. 60 2ND ED. 2007	Gravity Sanitary Sewer Design and Construction	Bizier, P., ed.
TA	164 .S38 2007	Bioengineering Fundamentals	Saterbank, A.
TA	347 .D5 S95 2007	Applied Dimensional Analysis Modeling	Szirtes, T.
TA	351 .H5 2007	Engineering Mechanics: Statics, 11 th ed.	Hibbeler, R.
TA	357 .M48 2003	Small Viscosity and Boundary Layer Method: Theory, stability analysis, and applications	Metivier, G.
TA	357.5 .F58 P72 1971	Effect of Swirl on Conical Diffuser Performance	Prasad, A.

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TA	357.5 .F58 P73 1992	On the Formation of Vortex Breakdown Bubbles When Imparting Swirl	Frawley, P., et al.
TA	357.5 .T87 S28 2006	Multiscale and Multiresolution Approaches in Turbulence	Sagaut, P.
TA	403 .M84 2008	Introduction to Engineering Materials	Murray, G.
TA	418.32 .C73 2007	Dynamic Plasticity	Cristescu, N.
TA	418.9 .C6 G3913 2007	Composite Materials: Design and Applications	Gay, D.
TA	418.9 .N35 O88 2007	Plasma-aided nanofabrication: From Plasma Sources to Nanoassembly	Ostrikov, K.
TA	654 .X54 2006	Dynamic Stability of Structures	Xie, W.
TA	680 .C78 2007	Conference on Structural Implications of Shrinkage and Creep of Concrete	Gardner & Chiorino
TA	684 .G383 2007	Unified Design of Steel and Structures	Geschwinder, L.
TA	892 .L26 2007	Large-Eddy Simulation for Acoustics	Wagner, C. et al.
TC	175.2 .Y36 2003	Sediment Transport Theory and Practice	Yang, C. T.
TC	205 .K36 2000	Introduction to Coastal Engineering and Management	Kamphuis, J.
TD	429 .W38515 2007	Water Reuse: Issues, Technologies, and Applications	Asano, T. et al.
TD	892 .L26 2007	Large-eddy Simulation for Acoustics	Wagner, C. et al., eds.
TJ	163.12 .S63 2008	Applied Mechatronics	Smaili, A.
TJ	163.2 .E4833 2008	Energy Management and Conservation Handbook	Kreith & Goswomi
TJ	163.5 .T7M36 2007	Managing Transport Energy: Power for a Sustainable Future	Warren, J., ed.

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TJ	213 .M485 2007	Stability and Stabilization of Time-Delay Systems	Michiels & Niculscu
TJ	255 .S36 2007	Mechanical Efficiency of Heat Engines	Senft, J.
TJ	808 R458 2007	Renewable Resources and Renewable Energy: A Global Challenge	Fornasiero & Graziani, eds.
TJ	853 .B78 2008	Theoretical Microfluids	Bruus, H.
TJ	901 .P67 2007	Positive Displacement Pumps: A Guide to Performance Evaluation	Equipment Testing Procedures Committee, AIChE
TK	7872 .P38 E33	Phase-lock Basics, 2 nd ed.	Egan, W.
TK	9145 .S474 2008	Fundamentals of Nuclear Science and Engineering	Shultis, K.
TL	553.5 .B52 2008	Beyond the Black Box: The Forensics of Airplane Crashes	Bibel, G.
TL	570 .C617 2007	Flight Dynamics Principles	Cook, M.
TP	157 .L89 2007	Chemical Reactor Design and Control	Luyben, W.
TP	168 .C88 2008	Problem Solving in Chemical and Biochemical Engineering with POLYMATH, Excel, and MATLAB	Cutlip, M.