



NEW BOOKS IN PHYSICS – APRIL 2007



Title	Author/ Editor	Year published	Call Number	Location
Brane-localized gravity	Mannheim, Philip D.	2005	539.12 MAN	Physical Sciences and Engineering book collection, Level 2, Central Library
Computation in modern physics	Gibbs, William R.	2006	53:681.3 GIB	Physical Sciences and Engineering book collection, Level 2, Central Library
Conversations on electric and magnetic fields in the cosmos	Parker, E. N. (Eugene Newman).	2007	537.8 PAR	Physical Sciences and Engineering book collection, Level 2, Central Library
A course in modern mathematical physics : groups, Hilbert space and differential geometry	Szekeres, Peter.	2004	517.982.22 SZE	Physical Sciences and Engineering book collection, Level 2, Central Library
Differential geometry and lie groups for physicists	Fecko, Marián.	2006	514.7 FEC	Physical Sciences and Engineering book collection, Level 2, Central Library
Electronic structure of materials	Sutton, Adrian P.	1993	539.193 SUT	Physical Sciences and Engineering book collection, Level 2, Central Library
Elements of quantum information	Schleich, Wolfgang., Walther, H. (Herbert).	2007	530.145 ELE	Physical Sciences and Engineering book collection, Level 2, Central Library
Equilibrium statistical physics	Plischke, Michael.	2006	536.75 PLI	Physical Sciences and Engineering book collection, Level 2, Central Library
Five-dimensional physics : classical and quantum consequences of Kaluza-Klein cosmology	Wesson, Paul S.	2006	530.1 WES	Physical Sciences and Engineering book collection, Level 2, Central Library
Fundamentals of solid state engineering	Razeghi, M.	2006	621.382 RAZ	Physical Sciences and Engineering book collection, Level 2, Central Library

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Gas lasers	Endo, Masamori., Walker, Robert F.	2006	535.338.3 GAS	Physical Sciences and Engineering book collection, Level 2, Central Library
Green's functions in quantum physics	Economou, E. N.	2006	517.544.2 ECO	Physical Sciences and Engineering book collection, Level 2, Central Library
The handbook of photonics	Ballato, John., Gupta, M. C. (Mool Chand).	2007	621.391.63 HAN	Physical Sciences and Engineering book collection, Level 2, Central Library
Handbook on secondary particle production and transport by high-energy heavy ions	Nakamura, Takashi., Heilbronn, L.	2006	539.1 NAK	Physical Sciences and Engineering book collection, Level 2, Central Library
Heteroepitaxy of semiconductors : theory, growth, and characterization	Ayers, John E.	2007	537.311.3 AYE	Physical Sciences and Engineering book collection, Level 2, Central Library
Interaction in ultracold gases : from atoms to molecules	Weidemüller, Matthias., Zimmermann, Claus.	2003	530.145 INT	Physical Sciences and Engineering book collection, Level 2, Central Library
Interfaces in crystalline materials	Sutton, Adrian P., Balluffi, R. W.	2006	548.4 SUT	Physical Sciences and Engineering book collection, Level 2, Central Library
An introduction to astrophysical fluid dynamics	Thompson, M. J. (Michael J.).	2006	532.5:523.03 THO	Physical Sciences and Engineering book collection, Level 2, Central Library
Introduction to confocal fluorescence microscopy	Muller, Michiel.	2006	535.8 MUL	Physical Sciences and Engineering book collection, Level 2, Central Library
Introduction to nuclear and particle physics : solutions manual for second edition	Bromberg, C., Das, A., Ferbel, T.	2006	539.1 BRO	Physical Sciences and Engineering book collection, Level 2, Central Library
Kinetics of materials	Balluffi, R. W., Allen, Samuel M., Carter, W. Craig.	2005	533.7 BAL	Physical Sciences and Engineering book collection, Level 2, Central Library
Laser control of atoms and molecules	Letokhov, V. S.	2006	621.375.826 LET	Physical Sciences and Engineering book collection, Level 2, Central Library

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Lens design	Laikin, Milton.	2007	535.821 LAI	Physical Sciences and Engineering book collection, Level 2, Central Library
Light scattering in solids IX : novel materials and techniques	Cardona, Manuel., Merlin, R.	2007	538.9 LIG	Physical Sciences and Engineering book collection, Level 2, Central Library
Magnetic reconnection : MHD theory and applications	Priest, E. R. (Eric Ronald)., Forbes, Terry.	2000	533.9 PRI	Physical Sciences and Engineering book collection, Level 2, Central Library
Magnetic resonance force microscopy and a single-spin measurement	Berman, Gennady P.	2006	537.533.35 MAG	Physical Sciences and Engineering book collection, Level 2, Central Library
Matter and methods at low temperatures	Pobell, F.	2007	621.56 POB	Physical Sciences and Engineering book collection, Level 2, Central Library
Mirror symmetry V : proceedings of the BIRS workshop, Calabi-Yau varieties and mirror symmetry, December 6-11, 2003	Yui, Noriko., Yau, Shing-Tung., Lewis, James Dominic.	2006	515.172 MIR	Physical Sciences and Engineering book collection, Level 2, Central Library
Negative-refraction metamaterials : fundamental principles and applications	Eleftheriades, G. V. (George V.)., Balmain, K. G. (Keith G.).	2005	537.6 NEG	Physical Sciences and Engineering book collection, Level 2, Central Library
Optical waveguides : from theory to applied technologies	Calvo, Maria L., Lakshiminarayanan, Vasudevan.	2007	621.32.8 OPT	Physical Sciences and Engineering book collection, Level 2, Central Library
Organic molecular solids	Schworer, Markus., Wolf, Hans Christoph.	2007	548.3 SCH	Physical Sciences and Engineering book collection, Level 2, Central Library
Path integrals and anomalies in curved space	Bastianelli, Fiorenzo., Van Nieuwenhuizen, Peter.	2006	530.145 BAS	Physical Sciences and Engineering book collection, Level 2, Central Library
Payload and mission definition in space sciences	Martínez Pillet, V. (Valentín)., Aparicio, A. (Antonio)., Sánchez, F.	2005	629.78 PAY	Physical Sciences and Engineering book collection, Level 2, Central Library
Principles of space instrument design	Cruise, A M.	2006	629.78 PRI	Physical Sciences and Engineering book collection, Level 2, Central Library
Quantum field theory	Srednicki, Mark Allen.	2007	530.145 SRE	Physical Sciences and Engineering book collection, Level 2, Central Library

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Quantum fluctuations of spacetime	Crowell, Lawrence B.	2005	530.145 CRO	Physical Sciences and Engineering book collection, Level 2, Central Library
Quantum groups : a path to current algebra	Street, Ross.	2007	512.54 STR	Physical Sciences and Engineering book collection, Level 2, Central Library
Quantum liquids : Bose condensation and Cooper pairing in condensed-matter systems	Leggett, A. J. (Anthony J.).	2006	538.94 LEG	Physical Sciences and Engineering book collection, Level 2, Central Library
Quantum theory of magnetism : magnetic properties of materials	White, Robert M.	2007	537.6:530.145 WHI	Physical Sciences and Engineering book collection, Level 2, Central Library
The structure and dynamics of networks	Newman, M. E. J. (Mark E. J.), Barabási, Albert-Laszló., Watts, Duncan J.	2006	517.5:316.4 STR	Physical Sciences and Engineering book collection, Level 2, Central Library
The theory of open quantum systems	Breuer, Heinz-Peter., Petruccione, F.	2007	530.145 BRE	Physical Sciences and Engineering book collection, Level 2, Central Library
Variational principles in physics	Basdevant, J. L. (Jean-Louis).	2007	519.3 BAS	Physical Sciences and Engineering book collection, Level 2, Central Library

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