



JUNE 2008

NEW BOOKS IN PHYSICS –



| Title | Author/ Editor | Year published | Call Number | Location |
|--|--|---------------------------|------------------------|---|
| Atmospheric turbulence : a molecular dynamics perspective | Tuck, Adrian F. | 2008 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Averaging methods in nonlinear dynamical systems | Sanders, J. A., Verhulst, F., Murdock, James A. | 2007 | 517.93 AVE | Central Library Level 2 Physical Sciences & Engineering book collection |
| Classical geometries in modern contexts : geometry of real inner product spaces | Benz, Walter. | 2008 | 514.12 BEN | Central Library Level 2 Physical Sciences & Engineering book collection |
| Complex analysis with applications in science and engineering | Cohen, Harold. | 2007 | 517.53 COH | Central Library Level 2 Physical Sciences & Engineering book collection |
| Conformal invariance and applications to statistical mechanisms | Itzykson, Claude., Saleur, Hubert., Zuber, Jean B. | 1988 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| A dressing method in mathematical physics | Doktorov, Evgeny V., Leble, S. B. | 2007 | 530.1 DOK | Central Library Level 2 Physical Sciences & Engineering book collection |
| Econophysics of markets and business networks : proceedings of the Econophys-Kolkata III | Chatterjee, Arnab., Chakrabarti, B. K. | 2007 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Elements of algebraic topology | Munkres, James R. | 1984 | 515.1 MUN | Central Library Level 2 Physical Sciences & Engineering book collection |
| Extremes in nature : an approach using Copulas | Salvadori, G. | 2007 | 519.272:551 EXT | Central Library Level 2 Physical Sciences & Engineering book collection |

| | | | | |
|---|---|------|---------------|---|
| Finding moonshine : a mathematician's journey through symmetry | Du Sautoy, Marcus. | 2008 | 517.93 DU | Central Library Level 2 Physical Sciences & Engineering book collection |
| Geometry and topology in Hamiltonian dynamics and statistical mechanics | Pettini, Marco. | 2007 | 531.3 PET | Central Library Level 2 Physical Sciences & Engineering book collection |
| Green's functions in quantum physics | Economou, E. N. | 2006 | 517.544.2 ECO | Central Library Level 2 Physical Sciences & Engineering book collection |
| Isochronous systems | Calogero, Francesco. | 2008 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Linear systems | Kailath, Thomas. | 1980 | 5.90 KAI | Central Library Level 5 Computing book collection |
| Nonlinear continuum mechanics for finite element analysis | Bonet, Javier., Wood, Richard D. | 2008 | 539.3:532 BON | Central Library Level 2 Physical Sciences & Engineering book collection |
| The Oxford companion to cosmology | Liddle, Andrew R., Loveday, Jon. | 2008 | 524.8 LID | Central Library Level 2 Physical Sciences & Engineering book collection |
| Partial differential equations in general relativity | Rendall, Alan D. | 2008 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Particle-laden flow : from geophysical to Kolmogorov scales | Geurts, Bernard., Clercx, H. J. H., Uijttewaal, Wim S. J. | 2007 | 532.5 PAR | Central Library Level 2 Physical Sciences & Engineering book collection |
| Physics of classical electromagnetism | Fujimoto, Minoru. | 2007 | 537.8 FUJ | Central Library Level 2 Physical Sciences & Engineering book collection |
| The physics of warm nuclei : with analogies to mesoscopic systems | Hofmann, Helmut. | 2008 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Planar Ising correlations | Palmer, John. | 2007 | 531.19 PAL | Central Library Level 2 Physical Sciences & Engineering book collection |

| | | | | |
|--|--|------|-------------------|---|
| Problems of condensed matter physics : quantum coherence phenomena in electron-hole and coupled matter-light systems | Ivanov, A. L., Tikhodeev, Sergei G. | 2008 | 538.9 PRO | Central Library Level 2 Physical Sciences & Engineering book collection |
| Quantum field theory of many-body systems : from the origin of sound to an origin of light and electrons | Wen, Xiao-Gang. | 2007 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Riemannian holonomy groups and calibrated geometry | Joyce, Dominic D. | 2007 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Sasakian geometry | Boyer, Charles P., Galicki, Krzysztof. | 2008 | Processing | Central Library Level 2 Physical Sciences & Engineering book collection |
| Special and general relativity : with applications to white dwarfs, neutron stars and black holes | Glendenning, Norman K. | 2007 | 530.12:524 GLE | Central Library Level 2 Physical Sciences & Engineering book collection |
| Statistical methods in quantum optics 2 : non-classical fields | Carmichael, Howard. | 2008 | 535.14 CAR | Central Library Level 2 Physical Sciences & Engineering book collection |
| Superconductivity. Vol.1, Conventional and high temperature superconductors | Bennemann, K. H., Ketterson, J. B. | 2008 | 537.321.62 SUP | Central Library Level 2 Physical Sciences & Engineering book collection |
| Tensors : the mathematics of relativity theory and continuum mechanics | Das, Anadijiban. | 2007 | 514.743 DAS | Central Library Level 2 Physical Sciences & Engineering book collection |
| Theories of molecular reaction dynamics : the microscopic foundation of chemical kinetics | Henriksen, Niels Engholm., Hansen, Flemming Yssing. | 2008 | 542.9 HEN | Central Library Level 2 Physical Sciences & Engineering book collection |
| Transparent electronics | Wager, John F., Keszler, Douglas A., Presley, Rick E. | 2008 | 621.38 WAG | Central Library Level 2 Physical Sciences & Engineering book collection |
| Wave propagation and time reversal in randomly layered media | Fouque, Jean- Pierre. | 2007 | 534.01 WAV | Central Library Level 2 Physical Sciences & Engineering book collection |

Click on the title to see if the book is on the shelf or check the [library catalogue](#) directly. If the book is on loan or in processing you can place a hold on it.