

***Physics Library***  
**New Book List**  
August 2009

**Books**

Bayin, Ş. Selçuk, 1951-. *Essentials of Mathematical Methods in Science and Engineering*  
Physics Q 158.5 .B39 2008

Bradt, Hale, 1930-. *Astrophysics Processes: The Physics of Astronomical Phenomena*  
Physics QB 461 .B67 2008

Christensen, Lars Lindberg. *Hidden Universe*  
Physics Oversize QC 75 .C47 2009

Durrer, Ruth. *The Cosmic Microwave Background*.  
Physics QB 991 .C64 D87 2008

*Exoplanets: Detection, Formation, Properties, Habitability*. (Springer-Praxis Books in  
Astronomy and Planetary Sciences).  
Physics QB 820 .E96 2008

*Exploring Venus as a Terrestrial Planet*. (Geophysical Monograph Series, v.176).  
Physics QB 621 .E97 2007

*Fitness of the Cosmos for Life: Biochemistry and Fine-Tuning*. (Cambridge Astrobiology,  
no.2)  
Physics QH 327 .F548 2008

Forget, François. *Planet Mars: Story of Another World*. (Springer-Praxis Books in  
Popular Astronomy)  
Physics QB 641 .F6713 2008

Huang, Kerson, 1928-. *Fundamental Forces of Nature: The Story of Gauge Fields*  
Physics QC 793.3 .G38 H835 2007

International School of Physics “Enrico Fermi” (2007: Varenna, Italy). *Atom Optics and  
Space Physics: Varenna on Lake Como, Villa Monastero, 3-13 July 2007*. (Proceedings  
of the International School of Physics “Enrico Fermi,” course CLXVUUU).  
Physics QC 446.15 .I5 2007

Joachim, C. *Nanosciences: The Invisible Revolution*  
Physics QC 176.8 .N35 J62 2009

*Magnetohydrodynamics: Historical Evolution and Trends.* (Fluid Mechanics and its Applications, v.80)  
Physics QC 718.536 .M34 2007

Mahnke, R. (Reinhard). *Physics of Stochastic Processes: How Randomness Acts in Time.* (Physics Textbook Series)  
Physics QC 20.7 .S8 M34 2009

Moring, David. *Introduction to Classical Mechanics: With Problems and Solutions*  
Physics QA 805 .M822 2008

NATO Advanced Study Institute on Radiation Effects in Solids (2004: Erice, Italy).  
*Radiation Effects in Solids: Proceedings of the NATO Advanced Study Institute on Radiation Effects in Solids: Erice, Sicily, Italy, 17-29 July 2004.* (NATO Science Series. II, Mathematics, Physics and Chemistry, v.235).  
Physics QC 176.8 .R3 N37 2004 & 1 disc

Ramakrishna, S. Anantha. *Physics and Applications of Negative Refractive Index Materials*  
Physics TK 7871.15 .M48 R36 2009

Ryden, Barbara Sue. *Foundations of Astrophysics*  
Physics QB 461 .R887 2009

## **Reference**

*Handbook of Self Assembled Semiconductor Nanostructures for Novel Devices in Photonics and Electronics*  
Physics Reference TA 418.9 .N35 H36 2008

Weisstein, Eric W. *CRC Concise Encyclopedia of Mathematics*  
Physics Reference QA 5 .W45 2003