Special conference discount from International Press of Boston

30% Off All Titles!

Basic Partial Differential Equations David Bleecker (University of Hawaii at Manoa), George Csordas (University of Hawaii at Manoa)



The book offers an introduction to PDEs for students. The book documents extensive applications, including: heat conduction, wave propagation, vibrations of strings, square drums, round drums, spheres and manifolds, traffic flow shocks, evolution of population densities, fluid flow, electrostatics, minimal surfaces, gravitation, and quantum mechanics (including the determination of the bound states of the hydrogen atom). There are approximately 280 examples worked out in detail, and 600 exercises ranging from routine to challenging. Rigorous proofs, of nearly all results used, are given after ample physical motivation.

ISBN: 1571460365 • 2003 • Hardcover List Price: \$59.00 • **Conference Price: \$41.30**

Calculus: A Computer Algebra Approach, 2nd Edition Iris Anshel (Columbia University, New York) Dorian Goldfeld (Columbia University, New York)



The advent of highly accessible computer algebra systems and very sophisticated calculators has led educators to reevaluate how calculus should be taught. Uniquely designed for use with computer algebra systems and sophisticated calculators, this course also works well with a computer laboratory. The students are encouraged to use technology for manual computation while they rapidly progress through the concepts of differential and integral calculus, mathematical modeling and optimization, ordinary differential equations, differential calculus for vector valued and multi-variable functions. The students will progress to vector geometry and coordinate systems, two and three dimensional graphical display,

multiple integration, vector fields and line integrals, and on to Fourier series and the Fourier expansion theorem. Solutions manual also available.

ISBN: 9781571462220 • 2012 (1996) • Softcover List Price: \$40.00 • **Conference Price: \$28.00**

Ordinary Differential Equations, 2nd Edition Stephen Salaff Shing-Tung Yau (Harvard University)



These notes emerged from the lecture course in differential equations given by the authors at Chung Chi College, Chinese University of Hong Kong and were adapted later for future courses. This new edition makes the material available to a wider audience for the first time. Attendees of the Brazilian Congress of Young Researchers in Pure and Applied Mathematics recieve 30% off all International Press titles until January 31, 2015.

To purchase or for more information, please e-mail ipb-orders@intlpress.com, visit intlpress.com, call 1.617.623.3016, fax 1.617.623.3101, or write to International Press of Boston, P.O. Box 43502, Somerville, MA 02143, USA.

ISBN: 9781571460653 • 1998 • Softcover List Price: \$30.00 • **Conference Price: \$21.00**