



Calculus: A Computer Algebra Approach, Second Edition (Paperback)

By Iris Anshel, Dorian Goldfel

International Press of Boston Inc, United States, 2012. Paperback. Condition: New. 2 ed.. Language: English . Brand New Book. 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.

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