Thomas' Calculus, Media Upgrade, Part Two (Multivariable, Chap 11-16) (11th Edition) (Pt. 2)

By Thomas Jr., George B.; Weir, Maurice D.; Hass, Joel R.; Giordano, Frank R.

Pearson, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 11. Infinite Sequences and Series Sequences Infinite Series The Integral Test Comparison Tests The Ratio and Root Tests Alternating Series, Absolute and Conditional Convergence Power Series Taylor and Maclaurin Series Convergence of Taylor Series; Error Estimates Applications of Power Series Fourier Series 12. Vectors and the Geometry of Space Three-Dimensional Coordinate Systems Vectors The Dot Product The Cross Product Lines and Planes in Space Cylinders and Quadric Surfaces 13. Vector-Valued Functions and Motion in Space Vector Functions Modeling Projectile Motion Arc Length and the Unit Tangent Vector T Curvature and the Unit Normal Vector N Torsion and the Unit Binormal Vector B Planetary Motion and Satellites 14. Partial Derivatives Functions of Several Variables Limits and Continuity in Higher Dimensions Partial Derivatives The Chain Rule Directional Derivatives and Gradient Vectors Tangent Planes and Differentials Extreme Values and Saddle Points Lagrange Multipliers *Partial Derivatives with Constrained Variables Taylor's Formula for Two Variables 15. Multiple Integrals Double Integrals Areas, Moments and Centers of Mass* Double Integrals in Polar Form Triple Integrals in Rectangular Coordinates Masses and Moments in Three Dimensions Triple Integrals in Cylindrical and Spherical Coordinates...

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