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Second Edition

Patrick M. Fitzpatrick



American Mathematical Society

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P. Prakash



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The Calculus of Variations and Advanced Calculus Open University M820/Solutions to exercises, D. Richards, 2008

Solutions Manual and Commentary to Accompany Advanced Calculus, Third Edition Robert Creighton Buck, 2003

Homotopy Analysis Method in Nonlinear Differential Equations Shijun Liao, 2012-06-22 *Homotopy Analysis Method in Nonlinear Differential Equations* presents the latest developments and applications of the analytic approximation method for highly nonlinear problems, namely the homotopy analysis method (HAM). Unlike perturbation methods, the HAM has nothing to do with small or large physical parameters. In addition, it provides great freedom to choose the equation type of linear subproblems and the base functions of a solution. Above all, it provides a convenient way to guarantee the convergence of a solution. This book consists of three parts: Part I provides its basic ideas and theoretical development; Part II presents the HAM-based Mathematica package BVPh 1.0 for nonlinear boundary value problems and its applications; Part III shows the validity of the HAM for nonlinear PDEs such as the American put option and resonance criterion of nonlinear travelling waves. New solutions to a number of nonlinear problems are presented, illustrating the originality of the HAM. Mathematica codes are freely available online to make it easy for readers to understand and use the HAM. This book is suitable for researchers and postgraduates in applied mathematics, physics, nonlinear mechanics, finance, and engineering. Dr. Shijun Liao, a distinguished professor of Shanghai Jiao Tong University, is a pioneer of the HAM. **Advanced Calculus and Its Application** John C. Amazigo, Lester A. Rubinfeld, 1981-01-15 *Solutions Manual and Commentary to Accompany Advanced Calculus, Second Edition* Robert Creighton Buck, Ellen F. Buck, 1969 *Mathematics Catalog 2005* Neil

Thomson,2004-10 *Real Analysis* Patrick Fitzpatrick,1996 Real Analysis is a shorter version of the author s Advanced Calculus text and contains just the first nine chapters from the longer text It provides a rigorous treatment of the fundamental concepts of mathematical analysis for functions of a single variable in a clear direct way The author wants students to leave the course with an appreciation of the subject s coherence and significance and an understanding of the ideas that underlie mathematical analysis **Subject Guide to Books in Print** ,1997 First Steps in the Calculus
Charles Godfrey,Arthur Warry Siddons,1914 The Cambridge University Calendar University of Cambridge,1911
 Solutions to Problems in Franklin's Treatise on Advanced Calculus Robert B. Davis,1946 12th International Conference on Recent Progress in Many-Body Theories, Santa Fe, New Mexico, August 23-27, 2004 Joseph A. Carlson,2006
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