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David G. Moursund, James E. Miller, Charles S. Duris

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Numerical Methods with VBA Programming James Hiestand, 2008-12-26 Numerical Methods with VBA Programming provides a unique and unified treatment of numerical methods and VBA computer programming topics that naturally support one another within the study of engineering and science This engaging text incorporates real world scenarios to motivate technical material helping students understand and retain difficult and key concepts Such examples include comparing a two point boundary value problem to determining when you should leave for the airport to catch a scheduled flight Numerical examples are accompanied by closed form solutions to demonstrate their correctness Within the programming sections tips are included that go beyond language basics to make programming more accessible for students A unique section suggest ways in which the starting values for non linear equations may be estimated Flow charts for many of the numerical techniques discussed provide general guidance to students without revealing all of the details Useful appendices provide summaries of Excel and VBA commands Excel functions accessible in VBA basics of differentiation and more **Elementary** Theory and Application of Numerical Analysis David G. Moursund, James E. Miller, Charles S. Duris, 2013-04-22 This updated introduction to modern numerical analysis is a complete revision of a classic text originally written in Fortran but now featuring the programming language C It focuses on a relatively small number of basic concepts and techniques Many exercises appear throughout the text most with solutions An extensive tutorial explains how to solve problems with C The *Influence of Computing on Mathematical Research and Education* Joseph P. La Salle,1974-12-31 Handbook of **Phycological Methods: Volume 4** Phycological Society of America, 1973 A comprehensive treatment of methodologies in the rapidly advancing field of marine benthic algal ecology

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