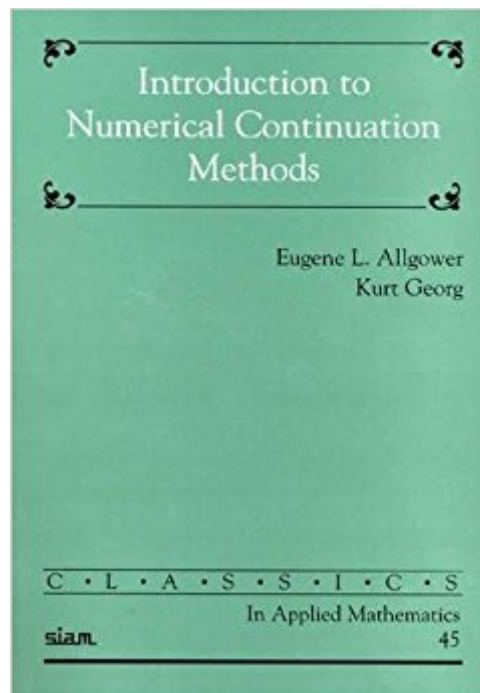




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Introduction To Numerical Continuation Methods (Classics In Applied Mathematics)



Synopsis

Numerical continuation methods have provided important contributions toward the numerical solution of nonlinear systems of equations for many years. The methods may be used not only to compute solutions, which might otherwise be hard to obtain, but also to gain insight into qualitative properties of the solutions. Introduction to Numerical Continuation Methods, originally published in 1979, was the first book to provide easy access to the numerical aspects of predictor corrector continuation and piecewise linear continuation methods. Not only do these seemingly distinct methods share many common features and general principles, they can be numerically implemented in similar ways. Introduction to Numerical Continuation Methods also features the piecewise linear approximation of implicitly defined surfaces, the algorithms of which are frequently used in computer graphics, mesh generation, and the evaluation of surface integrals.

Book Information

Series: Classics in Applied Mathematics (Book 45)

Paperback: 414 pages

Publisher: Society for Industrial and Applied Mathematics (January 1, 1987)

Language: English

ISBN-10: 089871544X

ISBN-13: 978-0898715446

Product Dimensions: 6 x 0.8 x 9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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