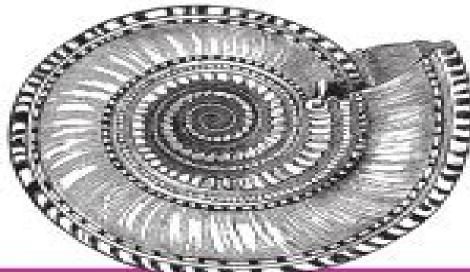
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approach using iterative algorithms This Special Issue focuses mainly on the design analysis of convergence and stability of new schemes for solving nonlinear problems and their application to practical problems Included papers study the following topics Methods for finding simple or multiple roots either with or without derivatives iterative methods for approximating different generalized inverses real or complex dynamics associated to the rational functions resulting from the application of an iterative method on a polynomial Additionally the analysis of the convergence has been carried out by means of different sufficient conditions assuring the local semilocal or global convergence This Special issue has allowed us to present the latest research results in the area of iterative processes for solving nonlinear equations as well as systems and matrix equations In addition to the theoretical papers several manuscripts on signal processing nonlinear integral equations or partial differential equations reveal the connection between iterative methods and other branches of science and engineering **Carroll picture book** Charles Lutwidge Dodgson, 1899 The Official Raspberry Pi Projects Book Volume 1 The Makers of The MagPi magazine, 2015-11-01 The Official Raspberry Pi projects book returns with inspirational projects detailed step by step guides and product reviews based around the phenomenon that is the Raspberry Pi See why educators and makers adore the credit card sized computer that can be used to make robots retro games consoles and even art In this volume of The Official Raspberry Pi Projects Book you ll Get involved with the amazing and very active Raspberry Pi community Be inspired by incredible projects made by other people Learn how to make with your Raspberry Pi with our tutorials Find out about the top kits and accessories for your Pi projects And much much more If this is your first time using a Raspberry Pi you ll also find some very helpful guides to get you started with your Raspberry Pi journey With millions of Raspberry Pi boards out in the wild that s millions more people getting into digital making and turning their dreams into a Pi powered reality Being so spoilt for choice though means that we ve managed to compile an incredible list of projects guides and reviews for you This book was written using an earlier version of Raspberry Pi OS Please use Raspberry Pi OS Legacy for full compatibility See magpi cc legacy for more information The Mathematica GuideBook for Numerics Michael Trott, 2006-10-27 Mathematica is today s most advanced technical computing system featuring a rich programming environment two and three dimensional graphics capabilities and hundreds of sophisticated powerful programming and mathematical functions using state of the art algorithms Combined with a user friendly interface and a complete mathematical typesetting system Mathematica offers an intuitive easy to handle environment of great power and utility The Mathematica GuideBook for Numerics text and code fully tailored for Mathematica 5 1 concentrates on Mathematica s numerical mathematics capabilities. The available types of arithmetic machine high precision and interval are introduced discussed and put to use Fundamental numerical operations such as compiling programs fast Fourier transforms minimization numerical solution of equations ordinary partial differential equations are analyzed in detail and are applied to a large number of examples in the main text and solutions to the exercises Practical API Design Jaroslav

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