

The “Kurs” publishing house published a monograph by O. Chuluunbaatar (MLIT Deputy Director, Academician of the Mongolian Academy of Sciences) and T. Zhanlav (JINR Honorary Doctor 2012, Academician of the Mongolian Academy of Sciences), which is devoted to “New Developments of Newton-Type Iterations for Solving Nonlinear Problems”.



In Newton-type methods, iteration parameters play a key role. Suitable choices of these parameters not only speed up convergence, but also extend the convergence domain. Over the last two decades, many papers on this topic have been published. The monograph systemizes the results obtained in this area, including the results of the authors’ joint studies obtained in collaboration with co-authors. The present book will be useful to readers, graduate students and researchers interested in the field of applied mathematics, numerical analysis and applied sciences.