Special Issue

Numerical Algorithms for Solving Nonlinear Equations and Systems 2017

Message from the Guest Editors

Solving nonlinear equations and systems is a non-trivial task that involves many areas of Science and Technology. Usually, it is not affordable in a direct way, and iterative algorithms play a fundamental role in their approach. This is an area of research that has seen an exponential growth in the last few years. The main theme of this Special Issue is the design, analysis of convergence and application to practical problems of new iterative schemes for solving nonlinear problems. This includes methods with and without memory, with derivatives or derivative-free, the real or complex dynamics associated to them and an analysis of their convergence that can be local, semi-local or global. Dr. Juan R. Torregrosa

Guest Editors

Prof. Dr. Alicia Cordero

Prof. Dr. Juan Ramón Torregrosa Sánchez

Dr. Francisco I. Chicharro

Deadline for manuscript submissions

closed (31 May 2017)

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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