The Efficiency of Exclusion Algorithms

AuthorA\textsuperscript{a}, AuthorB\textsuperscript{b}, and AuthorC\textsuperscript{c}

Eugene Allgower, Melissa Erdmann, Kurt Gerorg \textsuperscript{a}AuthorA’s address
Department of Mathematics
Colorado State University
Fort Collins, CO \textsuperscript{b}AuthorB’s address
Department of Mathematics
Nebraska Wesleyan University
Lincoln, NE \textsuperscript{c}AuthorC’s address Department of Mathematics
Colorado State University
Fort Collins, CO

We investigate the complexity of exclusion algorithms for numerically finding all of the real zero points of maps on an \( n \)-cell of various types of smoothness. We also examine the related problem of finding all of the global minima of a real valued map on an \( n \)-cell \( \mathbb{R}^n \).