

An implementation of the piecewise-linear homotopy algorithm for the computation of fixed points

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ABSTRACT.

This paper describes the main aspects of the "piecewise-linear homotopy method" for fixed point approximation proposed by Eaves and Saigal [*Homotopies for computation of fixed points on unbounded regions*, *Mathematical Programming* 3 (1972), 225-237]. The implementation of the method is developed using the modern programming language C# and some interesting details are given.

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