عنوان مقاله:

AN ITERATIVE METHOD WITH SIX-ORDER CONVERGENCE FOR SOLVING NONLINEAR EQUATIONS

محل انتشار:

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خلاصه مقاله:

Modification of Newtons method with higher-order convergence is presented. The modification of Newtons method is based on Frontinis three-order method. The new method requires two-step per iteration. Analysis of convergence demonstrates that the order of convergence is 5. Some numerical examples illustrate that the algorithm is more .efficient and performs better than classical Newtons method and other methods

کلمات کلیدی: Nonline ar equation, ite rative metho d, Two- step, Con- vergence orde r, Effic iency index

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