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SUFFICIENT CONDITIONS FOR SEMILOCAL CONVERGENCE OF A FOURTH ORDER MULTIPOINT ITERATIVE METHOD FOR SOLVING EQUATIONS IN BANACH SPACES

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Abstract. We present sufficient conditions on the initial pivot for local convergence of a fourth order multipoint iterative method for solving nonlinear systems of equations. We do this by means of a system of majorizing real sequences, each one controlling either the norm of the operators involved or the error estimation. We use a technique similar to the one introduced in from the reference list.

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