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CHECKING NONSINGULARITY OF TRIDIAGONAL MATRICES*

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Abstract. I. Bar-On, B. Codenotti, and M. Leoncini presented a linear time algorithm for checking the nonsingularity of general tridiagonal matrices [*BIT*, 36:206, 1996]. A detailed implementation of their algorithm, with some extensions to possibly reducible matrices, is further described in the present paper.

Key words. Tridiagonal Matrices, Error Analysis.

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