A LOWER BOUND FOR THE SMALLEST SINGULAR VALUE

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Abstract. In this paper, we obtain a lower bound for the smallest singular value of nonsingular matrices which is better than the bound presented by Yu and Gu [Linear Algebra Appl. 252(1997)25-38]. Meanwhile, we give some numerical examples which will show the effectiveness of our result.


Keywords and phrases: Singular values, Frobenius norm, determinant.

REFERENCES