SOME NEW ESTIMATIONS FOR THE HADAMARD PRODUCT
OF A NONSINGULAR M–MATRIX AND ITS INVERSE

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Abstract. In this paper, some new bounds for the minimum eigenvalue of the Hadamard product of a nonsingular M-matrix and its inverse are obtained, which improve some existing results. Finally, numerical examples are given to show that these bounds are better than some existing ones.


Keywords and phrases: Nonsingular M-matrix, Hadamard product, inequality, minimum eigenvalue.

REFERENCES