SOME INEQUALITIES INVOLVING UNITARILY INVARIANT NORMS

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Abstract. This paper aims to present some inequalities for unitarily invariant norms. We first give inverses of Young and Heinz type inequalities for scalars. Then we use these inequalities to establish some inequalities for unitarily invariant norms.


Keywords and phrases: Unitarily invariant norms, Young inequality, positive semidefinite matrices, singular values.

REFERENCES