GENERALIZATION OF SOME UNITARILY INVARIANT NORM INEQUALITIES FOR MATRICES

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Abstract. In this paper, we prove new unitarily invariant norm inequalities for positive semidefinite matrices. Some of these inequalities represents a generalization of earlier work due to Kittaneh who refines an inequality due to Davidson and Power which is useful in best approximation of $C^*$-algebras.


Keywords and phrases: Spectral norm, unitarily invariant norm, positive semidefinite matrix, inequality.

REFERENCES