IMPROVED MATRIX INEQUALITIES USING RADICAL CONVEXITY

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Abstract. Convex functions have a key role in mathematical inequalities. In this paper, we employ radical convexity as a tool that enables us to obtain much sharper bounds than usual bounds obtained by convexity. Applications of our approach will include real functions and matrices.


Keywords and phrases: Convex function, weak majorization, super additivity of convex functions.

REFERENCES