INTERPOLATION INEQUALITIES OF NUMERICAL RADIUS

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Abstract. In this paper, we give several generalization and refinement of numerical radius inequalities of bounded linear operators on a complex Hilbert space. It’s shown that the bounds obtained here are stronger than the known bounds of numerical radius inequalities. Moreover, we use the properties of operator convex functions to obtain several interpolation inequalities of numerical radius.


Keywords and phrases: Hilbert spaces, numerical radius, norm inequalities.

REFERENCES