

ON SOME INEQUALITIES FOR UNITARILY INVARIANT NORMS

XIAOHUI FU AND CHUANJIANG HE

Abstract. In this paper, we present several inequalities for unitarily invariant norms by using the convexity of the function $g(r) = \|A^rXB^{2-r} + A^{2-r}XB^r\|$ on the interval $[0, 2]$. Our results are refinements of some existing inequalities.

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