Home | Editors | Submissions | Reviews | Volumes | RGMIA | About Us

Clarkson-McCarthy Interpolated Inequalities in Finsler Norms

Authors: Cristian Conde,

Abstract:

We apply the complex interpolation method to prove that, given two spaces $B_{p_0,a;s_0}^{(n)}$, $B_{p_1,b;s_1}^{(n)}$ of n-tuples of operators in the p-Schatten class of a Hilbert space H, endowed with weighted norms associated to positive and invertible operators a and b of $B(H)$ then, the curve of interpolation $(B_{p_0,a;s_0}^{(n)}, B_{p_1,b;s_1}^{(n)})_{[t]}$ of the pair is given by the space of n-tuples of operators in the p_t-Schatten class of H, with the weighted norm associated to the positive invertible element $\gamma_{a,b}(t) = a^{1/2}(a^{-1/2}ba^{-1/2})^t a^{1/2}$.

Download Screen PDF

Download Print PDF

Send this article to a friend

Print this page