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Lower Bounds for Eigenvalues of Schatten-Von Neumann Operators

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Abstract:

Let S_p be the Schatten-von Neumann ideal of compact operators equipped with the norm $N_p(\cdot)$. For an $\lambda_j(A)$ ($j = 1, 2, \dots$) are the eigenvalues of A , $A_I = (A - A^*)/2i$ and $A_R = (A + A^*)/2$. The suggested approach is based on some relations between the real and imaginary Hermitian components of quasinilpotent operators.



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