

NORM INEQUALITY OF $AP + BQ$ FOR SELFADJOINT PROJECTIONS P AND Q WITH $PQ = 0$

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Abstract. Let A, B, P and Q be bounded operators on a Hilbert space \mathcal{L} which P and Q are selfadjoint projections with $PQ = 0$. We study the norm of $AP + BQ$ using a Hankel type operator : $H_{B^*A} = QB^*A | P\mathcal{L}$.

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