HOW TO COMPARE THE ABSOLUTE VALUES OF
OPERATOR SUMS AND THE SUMS OF ABSOLUTE VALUES?

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Abstract. We address the problem of comparing $|A + B|$ and $|A| + |B|$, for $A, B \in M_n(\mathbb{C})$. Some results are obtained by using a technique of positive linear maps and several open questions are proposed.

Keywords and phrases: Symmetric norms, operator inequalities, concave functions.

REFERENCES