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Title: On a subclass of norm attaining operators

Abstract: A bounded linear operator $T : H \to H$, where H is a Hilbert space, is said to be norm attaining if there exists a unit vector $x \in H$ such that ||Tx|| = ||T||. Let \mathcal{R}_T denote the set of all reducing subspaces of T. Define

 $\beta(H) := \{ T \in \mathcal{B}(H) : T|_M : M \to M \text{ is norm attaining for every } M \in \mathcal{R}_T \}.$

In this talk, we discuss properties and structure of positive operators in $\beta(H)$ and compare with those of absolutely norm attaining operators (\mathcal{AN} -operators).

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