

# ON ABSOLUTELY NORM ATTAINING OPERATORS

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ABSTRACT. Let  $H$  be a complex Hilbert space and  $T : H \rightarrow H$  be a bounded linear operator. Then  $T$  is said to be norm attaining if there exists a unit vector  $x_0 \in H$  such that  $\|Tx_0\| = \|T\|$ . If for any closed subspace  $M$  of  $H$ , the restriction  $T|M : M \rightarrow H$  of  $T$  to  $M$  is norm attaining, then  $T$  is called an absolutely norm attaining operator or  $\mathcal{AN}$ -operator. These operators are studied in [1, 2, 3]. In this talk we discuss a characterization of  $\mathcal{AN}$ -operators. We also discuss some spectral properties of  $\mathcal{AN}$ -operators.

## REFERENCES

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