

CHARACTERIZATIONS OF HOPFIANS SPACES

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Abstract. A Banach space X is called Hopfian, if any bounded linear operator surjective is bijective. The existence of the Banach Hopfians spaces in infinite dimension was established by Gowers and Maury in 1993. In this note we obtain some characterizations of Banach spaces Hopfians by properties of the algebra of bounded linear operators $\mathcal{B}(X)$.

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