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Family of Operators that Cannot be Subspace

Hypercyclic

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Abstract: A bounded linear operator on a Banach space X is said to be subspace hypercyclic, if for some closed subset $M \subseteq X$, there exists $x \in X$ such that $orb(x,T) \cap M$ is dense in M. Here we are going to show that no power bounded operators and hence a few other operators cannot be subspace hypercyclic

Keywords: Hypercyclic, subspace hypercyclic, power bounded operators

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