

# 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  $\text{orb}(x, T) \cap M$  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

