SOME RESULTS ON SUBSPACE-HYPERCYCLIC OPERATORS

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Abstract

In this paper, we extend some results about hypercyclic operators to subspace-hypercyclic operators. Also, we show that if M is a reducing subspace for a hypercyclic operator T, then for every $\lambda \in C$ with $|\lambda| = 1$ and every $n \in N$, λT and T^n are M-hypercyclic and $M^{\perp}$-hypercyclic.