

HYPERCYCLICITY AND WEYL TYPE THEOREMS FOR OPERATOR MATRICES

IL JU AN AND JAESEONG HEO

Abstract. In this paper, we study the hypercyclicity and supercyclicity for operator matrices in the class \mathcal{S} consisting 2×2 operator matrices with $(1, 2)$ -entries having closed range. Under some conditions, we find the necessary and sufficient conditions for 2×2 operator matrices in the class \mathcal{S} for which Weyl's theorem, Browder's theorem, a -Weyl's theorem or a -Browder's theorem hold.

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