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算子的亚循环性与拓扑一致降标

刘洋, 曹小红

陕西师范大学~数学与信息科学学院, 西安 710062

Hypercyclicity and topological uniform descent of bounded linear operators

LIU Yang, CAO Xiao-hong

Department of Mathematics and Information Science, Shaanxi Normal University, Xi'an 710062, China

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全文: PDF (307 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 利用算子的拓扑一致降标, 给出了算子 $\overline{HC(H)}$ 的判定方法, 其中 $\overline{HC(H)}$ 表示无限维可分的复 Hilbert 空间 H 上所有亚循环算子集合的范数闭包.

关键词: 亚循环算子 拓扑一致降标 算子的单值延拓性质

Abstract: By using the property of topological uniform descent, this paper gave the judgement for an operator $\overline{HC(H)}$, where $\overline{HC(H)}$ denoting the norm-closure of the class of all the hypercyclic operators on an infinite dimensional separable complex Hilbert space H .

Key words: hypercyclic operator topological uniform descent single valued extension property

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