

عنوان مقاله:

On Hilbert Schmidt Tuples of Operators and Chaotically Condition

محل انتشار:

سومین کنفرانس بین المللی پژوهش در علوم و مهندسی (سال: 1396)

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خلاصه مقاله:

In this paper, will investigate characterize the Chaotically Conditions for the Tuples of special commutative bounded mapping, acting on Banach spaces. Suppose X be an F sequence space whit the unconditional basis $\{e_k\}_{k \in \mathbb{N}}$ and let T_1, T_2, T_3, \dots are unilateral weighted backward shifts with weight sequences $\{k_1\}_{k \in \mathbb{N}}, \{k_2\}_{k \in \mathbb{N}}, \dots, \{k_n\}_{k \in \mathbb{N}}$, and $(T_1, T_2, T_3, \dots, T_n)$ be a tuple of operators $T_1, T_2, T_3, \dots, T_n$. Then T is chaotic if and only if T is Hypercyclic and has a non-trivial periodic point if and only if T has a non-trivial periodic point if and only if the series $\sum_{k=1}^{\infty} \|T_k e_k\|, \sum_{k=1}^{\infty} \|T_k^2 e_k\|, \dots, \sum_{k=1}^{\infty} \|T_k^n e_k\|$

. convergence in X

کلمات کلیدی:

Tuples of operators, Hilbert Schmidt Tuples, Hypercyclicity, Infinity Tuples

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