

The Extended Abstracts of  
The 6<sup>th</sup> Seminar on Functional Analysis and its Applications  
4-5th March 2020, University of Isfahan, Iran

## HOW THE CONCEPT OF HYPERCYCLICITY WAS LOCALIZED?

MEYSAM ASADIPOUR \*

*Department of Mathematics, College of Sciences, Yasouj University,  
Yasouj, 75918-74934, Iran  
Asadipour@yu.ac.ir*

ABSTRACT. G. Costakis and A. Manoussos localized the concept of hypercyclicity by introducing certain sets, which they called  $\mathcal{J}$ -sets. In this paper we give a description of  $\mathcal{J}$ -sets through the use of open sets with an additional assumption.

---

2010 *Mathematics Subject Classification.* Primary 47A16; Secondary 37B99, 54H20.

*Key words and phrases.* Hypercyclicity, Subspace hypercyclicity, J-sets.

\* Speaker.