

A Mini Course on Hypercyclic Operators: I

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Abstract

In this series of talk, we will continue with the study of hypercyclic operators, started last week by G. Bulancea. In the first talk, we will prove the hypercyclicity criterion and talk about its importance in the development of this field. If time allows it, in this first talk we will also prove a striking theorem by Bourdon and Feldman that shows that if the orbit of a linear operator is somewhere dense then it is everywhere dense.