A Mini Course on Hypercyclic Operators: II

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Abstract

In the second of this series of talk, we will continue with the study of hyperyclic operators. In particular, we will 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. We will talk about the relevance of this theorem in the study of hypercyclicity. If time allows it, we will also mention some theorems that give spectral properties of hyper cyclic operators.