

COMPOSITION OPERATORS ON L^p SPACES INDUCED BY MEASURES

Udayan B. Darji

University of Louisville (KY), USA

Abstract

Composition operators on L^p spaces induced by measures is a concrete yet a large collection of operators which generalize weighted backward shifts. In this talk we will discuss composition operators which are Li-Yorke chaotic, frequently hypercyclic, and having the shadowing property. We will also state a general theorem which shows how transfer characterizations of weighted shifts to a large class of composition operators. Some open problems at the end will be stated.