

ROTATION-LIKE UNIMODAL MAPS

Speaker: Jorge Olivares Vinales
Shanghai Center for Mathematical Sciences

Time: Tue, Apr. 30th, 14:00-14:30

Venue: Room 106, SCMS

Abstract:

In this talk, we will present a class of unimodal maps constructed by Ble using circle rotations. When the angle of the circle rotation is irrational, we obtain a map whose turning point is recurrent and is long-branched. We are interested in studying under what conditions in the angle of the circle rotation, the unimodal map has an absolutely continuous invariant measure, and the problem of counting periodic orbits with weight.