

Approximation on the circle

Julio Rebelo¹

¹ (Université Paul Sabatier (TOULOUSE III))

Abstract: This talk will focus on the dynamics of "large" non-discrete groups of diffeomorphisms of the circle and the possibility of approximating arbitrary circle diffeomorphisms by actual elements of the mentioned groups. We will distinguish between locally non-discrete and globally non-discrete groups which, in turn, will also allow us to state some open questions and recent results.