

New Trends in Onedimensional Dynamics

Celebrating the 70th anniversary of Welington de Melo

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Title: Uniformly expanding Markov maps of the real line: exactness and infinite mixing

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Abstract: In the first part of the talk I shall present a fairly complete characterization of the exact components of a large class of uniformly expanding Markov maps of \mathbb{R} . In the second part, I shall use this machinery to prove certain properties of infinite mixing for a class of \mathbb{Z} -invariant maps and finite modifications thereof.