

Renormalization in dynamics

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Abstract

We discuss the renormalization operator in the space of unimodal smooth interval maps and its impact on the understanding of one dimensional dynamical systems. At the end we eill describe a recent joint work with V.V.M.S. Chandramouli, M. Martens and C. P. Tresser where we prove that the Feigenbaum fixed point is no longer hyperbolic in the space of C^2 maps.