RENORMALIZATION THEORY FOR ONE-DIMENSIONAL DYNAMICS

Pablo Guarino (Federal Fluminense University)

ABSTRACT. In this talk we will survey some of the main ideas behind the use of renormalization operators in one-dimensional dynamics. Renormalization of a dynamical system with a marked point (usually a critical point) means a (suitably rescaled) first return map to a neighbourhood of such point. Thus, renormalization can be thought as a *supra* dynamical system, acting on an infinite dimensional phase space.