

Critical regularity for nilpotent group actions in dimension one

samedi 4 mai 2024 11:00 (1 heure)

My talk will follow a joint work with Maximiliano Escayola, devoted to the study of critical regularities for nilpotent group actions. The questions of critical regularities have been studied by many authors in many different contexts: starting from the classical Denjoy theorem and example, there are works by M. Herman, J.-C. Yoccoz, N. Kopell, B. Deroin, A. Navas, C. Rivas, E. Jorquera, Kim, T. Koberda, any many others. We'll be describing the critical regularity in algebraic terms, introducing some new technique for establishing the bounds.

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