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Charles Frances* (Charles.Frances@math.u-psud.fr), Laboratoire de Mathématiques, Bat 425, Université Paris-Sud, 91405 Orsay, France. *Dynamical properties of automorphisms of Cartan geometries.*

The notion of Cartan geometries gives a unified framework for the study of classical geometric structures, such as pseudo-Riemannian metrics, conformal structures, CR and projective structures.... The aim of the talk is to show that Cartan geometries are also useful to understand the dynamics of automorphisms of such structures. As an illustration, we will recover, and generalize classical results of J.Ferrand, M.Obata and R.Schoen about the automorphism group of conformal and CR structures. (Received March 01, 2009)