

Star flows form a class of important systems containing uniformly hyperbolic/structurally stable systems, Lorenz-like/singular hyperbolic attractors, some cherry flows, and the recent multi-singular hyperbolic systems studied by Bonatti-da Luz. In this work, we study the dynamics of star flows from the view point of ergodic theory. We prove that most star vector field admits finitely many Sinai-Ruelle-Bowen measures, whose basins cover a full Lebesgue measure set of the manifold. This establishes Palis' program for a big class of systems beyond uniform hyperbolicity. This is a joint work with S. Crovisier, X. Wang and J. Zhang.