Bifurcations in Invertible and Noninvertible Maps: Theory and Applications

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Keywords: Nonlinear dynamics, bifurcations, applications

This session is organized to discuss new and interesting phenomena related to the complex dynamics of various nonlinear maps, continuous or discontinuous, smooth or piecewise smooth, invertible or noninvertible, appearing in some applied context or as pure mathematical objects. The presentations are expected to focus on the local and global properties of such maps, invariant sets and their bifurcations, described using qualitative and quantitative methods of nonlinear dynamics theory. Other similar topics as well as real world applications are also very welcome.