Asymptotic Behavior of Some Expansive Type Difference Equations and Evolution Systems

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Abstract

In this talk, after reviewing some old results in nonlinear ergodic theory and their applications to the study of the asymptotic behavior of quasi-autonomous dissipative systems, we concentrate on first order expansive type evolution and difference equations and present some old and new results on the asymptotic behavior of the solutions, as well as periodic solutions to such systems.

This is joint work with Mohsen Rahimi Piranfar.

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