Poincare's infinitesimal return for saddle-connections *

Alonso-González, C., Camacho, M.I., Cano, F.

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Abstract

In this talk we classify topologically three-dimensional dynamical systems presenting a configuration of multiple saddle-connections supported by a normal crossings divisor when infinitesimal return appears. The classification depends on the eigenvalues distribution and on the associated Poincare's infinitesimal map.

^{*} oral communication.