Title: Exponential dichotomies in average for flows and admissibility

Author(s): Luis Barreira, Davor Dragičević and Claudia Valls

For a measurable cocycle over a flow or a semiflow acting on L^1 functions, we consider the general notion of an exponential dichotomy in average, and we characterize it in terms of an admissibility property. As a nontrivial application, we establish in a simple manner the robustness of the notion under sufficiently small linear perturbations, both for cocycles over a flow and a semiflow.

Address:
Luis Barreira
Departamento de Matemática
Instituto Superior Técnico
Universidade de Lisboa
1049-001 Lisboa
Portugal

Address:
Davor Dragičević
School of Mathematics and Statistics
University of New South Wales
Sydney NSW 2052
Australia

Address:
Claudia Valls
Departamento de Matemática
Instituto Superior Técnico
Universidade de Lisboa
1049-001 Lisboa
Portugal