

1134-37-249

Gary Froyland, Cecilia Gonzalez-Tokman and Anthony Quas* (aquas@uvic.ca). *Stability of Lyapunov Exponents and Oseledets subspaces.*

Given a measure-preserving system, we study the effect on the Lyapunov exponents when a coercive cocycle of linear operators acting on a Hilbert space is perturbed by additive noise (for concreteness one is essentially studying the asymptotic growth rates of singular values of random products of infinite matrices, and the continuity of these growth rates as the entries are randomly perturbed). (Received September 08, 2017)