Cornell University Library

We gratefully acknowledge support from the Simons Foundation and member institutions

arXiv.org > math > arXiv:1106.6097

Search or Article-id

(Help | Advanced search)

All papers   Go!

Mathematics > Dynamical Systems

Continuity of the Lyapunov Exponent for analytic quasi-perodic cocycles with singularities

S. Jitomirskaya, C. A. Marx

(Submitted on 30 Jun 2011)

We prove that the Lyapunov exponent of quasi-periodic cocles with singularities behaves continuously over the analytic category. We thereby generalize earlier results, where singularities were either excluded completely or constrained by additional hypotheses. Applications are one-parameter families of analytic Jacobi operators, such as extended Harper's model describing crystals subject to external magnetic fields.

Submission history

From: Christoph Marx [view email]

[v1] Thu, 30 Jun 2011 01:39:14 GMT (15kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.