

(Help | Advanced search)

Go!

arXiv.org > math-ph > arXiv:1107.0534 All papers Ŧ **Mathematical Physics** Download: PDF **Resonances for "large" ergodic** PostScript Other formats systems in one dimension: a Current browse context: review math-ph < prev | next > new | recent | 1107 Frédéric Klopp (LAGA) Change to browse by: (Submitted on 4 Jul 2011) math The present note reviews recent results on resonances for one-dimensional **References & Citations** quantum ergodic systems constrained to a large box. We restrict ourselves to NASA ADS one dimensional models in the discrete case. We consider two type of ergodic potentials on the half-axis, periodic potentials and random potentials. For both Bookmark(what is this?) models, we describe the behavior of the resonances near the real axis for a 📃 💿 X 🔽 🖬 in 🚽 🔛 💇 large typical sample of the potential. In both cases, the linear density of their

Search or Article-id

Science WISE

Subjects: Mathematical Physics (math-ph) Cite as: arXiv:1107.0534 [math-ph] (or arXiv:1107.0534v1 [math-ph] for this version)

imaginary parts) form a two dimensional Poisson cloud.

real parts is given by the density of states of the full ergodic system. While in the periodic case, the resonances distribute on a nice analytic curve (once their imaginary parts are suitably renormalized), In the random case, the resonances (again after suitable renormalization of both the real and

Submission history

From: Frederic Klopp [view email] [v1] Mon, 4 Jul 2011 06:05:14 GMT (19kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.