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Loci in strata of meromorphic quadratic differentials with fully degenerate Lyapunov spectrum. (English) Zbl 1302.30056
J. Mod. Dyn. 8, No. 1, 61-73 (2014).

Summary: We construct explicit closed $GL(2; \mathbb{R})$ -invariant loci in strata of meromorphic quadratic differentials of arbitrarily large dimension with fully degenerate Lyapunov spectrum. This answers a question of *G. Forni et al.* [*J. Mod. Dyn.* 5, No. 2, 285–318 (2011; [Zbl 1276.37021](#))].

MSC:

30F60 Teichmüller theory
32G15 Moduli of Riemann surfaces, Teichmüller theory
32G20 Period matrices, variation of Hodge structure; degenerations
37H15 Multiplicative ergodic theory, Lyapunov exponents

Cited in **2** Documents

Keywords:

meromorphic quadratic differentials; degenerate Lyapunov spectrum

Full Text: [DOI](#) [arXiv](#)

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