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(Submitted on 7 Jun 2012)

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Comments:27 pages, 3 figuresSubjects:Differential Geometry (math.DG); Spectral Theory (math.SP)Cite as:arXiv:1206.1439 [math.DG]

**Eigenvalues control for a Finsler--Laplace** 

Using the definition of a Finsler--Laplacian given by the first author, we show that two bi-Lipschitz

Riemannian results. In particular, we show that the spectrum on Finsler surfaces is controlled above by a constant depending on the topology of the surface and on the quasireversibility constant of the

metric. In contrast to Riemannian geometry, we then give examples of highly non-reversible metrics

Finsler metrics have a controlled spectrum. We deduce from that several generalizations of

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## Submission history

From: Thomas Barthelmé [view email] [v1] Thu, 7 Jun 2012 10:27:48 GMT (25kb)

Which authors of this paper are endorsers?

on surfaces with arbitrarily large first eigenvalue.

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