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(Submitted on 14 Jul 2011 (v1), last revised 1 Sep 2011 (this version, v2))			
In this paper we study a semiclassical heat trace expansion for perturbations of the harmonic oscillator, by adapting to the semiclassical setting techniques developed by Hitrik and Polterovich in [HP]. We use the expansion to obtain certain inverse spectral results.		c ovich in	Change to browse b
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Subjects: MSC classes: Cite as:	Spectral Theory (math.SP) 35P20 (primary), 81Q20 (secondary) arXiv:1107.2960 [math.SP] (or arXiv:1107.2960v2 [math.SP] for this version)		Bookmark(what is this?)

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From: Alejandro Uribe [view email] [v1] Thu, 14 Jul 2011 21:51:30 GMT (10kb) [v2] Thu, 1 Sep 2011 21:46:25 GMT (10kb)

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