

Workshop on Spectrum and Dynamics
Atelier sur la dynamique et théorie spectrale
07–11 April/*Avril*, 2008

About the spectrum of the damped wave equation

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Abstract

I will present some work in progress about the Weyl asymptotics for the damped wave equation on a negatively curved manifold. I will propose a fractional Weyl upper bound for the number of eigenvalues with given imaginary part, and present a particular case for which there is hope to prove a lower bound.