



Institut für
Angewandte Mathematik



Leibniz
Universität
Hannover

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Oberseminar Analysis und Theoretische Physik

Prof. Dr. Sandro Coriasco
Universität Turin, Italien

"Short time solutions of hyperbolic equations on manifolds and their applications"

Abstract:

I will illustrate recent results on the spectral asymptotics for a class of elliptic, selfadjoint, positive operators, defined on suitable non-compact manifolds. More precisely, I will show how to extend to this situation techniques available on compact manifolds, which involve short time solutions of hyperbolic equations in terms of Fourier Integral Operators. This allows to obtain a more precise form of the remainders for the corresponding Weyl formulae.

Dienstag, 14.02.2012, 15:15 Uhr, Raum G005
Hauptgebäude der Universität

Über Ihren Besuch würden sich freuen:

Prof. Dr. Joachim Escher
Prof. Dr. Bernhard Krötz
Prof. Dr. Olaf Lechtenfeld
Prof. Dr. Elmar Schrohe
Prof. Dr. Christoph Walker