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SEMINÁRIO DE GEOMETRIA

Dia 25 de Setembro (terça-feira), sala 6.2.33 às 14:30

Spectral inequalities for the Schrodinger operator

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Abstract:

This talk is about the spectral inequality associated to the Schrodinger operator in dimension $d \geq 1$,

$$H_{g,V} = \Delta_g + V(x), \quad \text{in } \mathbb{R}^d, \quad (1)$$

which yields a sharp quantification of the uncertainty principle. Here g is an analytic metric which is a perturbation of the Euclidean metric, and $V = V(x)$ a real analytic potential eventually a long range perturbation. This is a joint work with Ivan Moyano, Centre for Mathematical Sciences, University of Cambridge,

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