Seminario de Análisis y Aplicaciones

Miércoles, 20 de marzo de 2013

15:30 h., Modulo 17, Aula 520 (Departamento de Matemáticas, UAM)

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Spectral multipliers for Sub-Laplacians: Recent progress.

Resumen:

For large classes of full Laplacians, such as Laplace- Beltrami operators on compact Riemannian manifolds, sharp spectral multiplier theorems of Mihlin-Hörmander type are well-known. In contrast, for subelliptic Laplacians, such as Grushin operators or sub-Laplacians on nilpotent Lie groups, sharp results are known only in a few cases, for instance on the Heisenberg group. In the talk, I shall report on recent results and new methods developed in joint work with Alessio Martini.

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