



FMSP Lectures

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Conditional stability
in Gelfand-Levitan problem

November 9 (Wed) 17:00 ~ 18:00 Room 118

Abstract:

We consider the Laplace-Beltrami operator in the bounded domain on the plane.

The eigenvalues and the traces of the eigenfunctions on part of the boundary are given.

We obtain the double logarithmic stability for the determination of metric up to the gauge equivalence.