

Stability for Calderon Inverse Problem for discontinuous conductivities

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Abstract

We will analyze the stability of Calderón Inverse Problem in 2D. This is a work with A. Clop and D. Faraco. We prove logarithmic stability in the case of conductivities with a priori control in Sobolev spaces of any order. This case includes discontinuous coefficients. The proof requires the use of quasiconformal mappings and follows the method of Astala and Paivarinta.