

On the stability of the Calderón inverse problem on rough planar domains

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We consider Calderón's inverse problem on planar domains Ω with conductivities in fractional Sobolev spaces. When Ω is Lipschitz, the problem was known to be stable in the L^2 -sense. We remove the Lipschitz condition on the boundary. To this end, we will analyse the Sobolev regularity of the characteristic function of Ω .