

On A Caffarelli-Silvestre-Type Extension Perspective of the (Variable Coefficient) Fractional Calderón Problem

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In this talk, I discuss two recent results on the variable coefficient fractional Calderón problem: On the one hand, I discuss a relation between the local and the nonlocal problem. On the other hand, I illustrate how a Caffarelli-Silvestre type extension can be used to revisit the uniqueness proof of the fractional anisotropic Calderón problem on closed, smooth, connected manifolds which was first established by Feizmohammadi-Ghosh-Krupchyk-Uhlmann.

This is based on joint work with G. Covi, T. Ghosh and G. Uhlmann.