

INdAM Workshop
Inverse Problems and Applications

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Global uniqueness for conormal conductivities and potentials

Joint work with Matti Lassas and Gunther Uhlmann

We consider global uniqueness and reconstruction in the Calderon problem for some classes of conductivities which do not lie in the currently best known spaces for this problem. The conductivities (and potentials) that we consider are conormal with respect to (possibly disconnected) submanifolds compactly contained in the domain, in three or more dimensions. Examples in this category include conductivities which are only $C^{1+\epsilon}$.