

The anisotropic Calderón problem at large fixed frequency on manifolds with invertible ray transform

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Abstract

We consider an inverse problem of recovering a potential from the Dirichlet to Neumann map at a large fixed frequency on certain Riemannian manifolds. Here we extend the previous work of G. Uhlmann and Y. Wang [UW21] to the case of simple manifolds, and more generally to manifolds, where the geodesic ray transform is stably invertible.

References

[UW21] G. Uhlmann and Y. Wang, *The anisotropic calderón problem for high fixed frequency*, arXiv, 2021. arXiv:2104.03477.