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Global uniqueness for the semilinear fractional Schrödinger equation

In this talk, I will briefly address an emergent inverse problem for nonlocal operators which can be regarded as a nonlocal analogue version of the well-known Calderón problem. Several unique features in this type of problems will be discussed. Moreover, I will present a uniqueness result in inverse problem for a fractional semilinear Schrödinger equation.