

ANALYSIS AND DIFFERENTIAL GEOMETRY
COLLOQUIUM

The Calderon Problem: 40 Years Later

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Abstract: Calderon's inverse problem asks whether one can determine the conductivity of a medium by making voltage and current measurements at the boundary. This question arises in several areas of applications including medical imaging and geophysics. I will report on some of the progress that has been made on this problem since Calderon proposed it, including recent developments on similar problems for nonlinear equations and nonlocal operators.

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