

## **Programa de Introducción a la Investigación (INTRO-SO)**

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The inverse conductivity problem

Inverse problems in which one seeks to determine internal properties of a medium by measurements on its boundary appear in many medical and geological imaging techniques.

One prototypical example of these problems is the inverse conductivity problem, known as the Calderón problem. In this project we will review some of the fundamental advances in the study of the Calderón problem. We will also introduce some extensions of the classical problem and some questions that remain open.