basque center for applied mathematics

Working Seminar
(APDE)

Thursday, October 3rd, 12:00-13:00

Felipe Ponce Vanega (BCAM)

A BILINEAR APPROACH TO CALDERÓN'S PROBLEM

The Calderón's problem is to decide whether the conductivity of a body can be uniquely recovered from measurements of potential and current at the boundary. In this talk I will introduce the problem and the main ideas behind the method of Complex Geometrical Optics (CGO) solution.

Finally, I will show how bilinear estimates come into the method, and what is the extension of Tao's bilinear theorem we need.

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EXCELENCIA SEVERO OCHOA

matematika mugaz bestalde