

Inverse problems for elastic plates

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Abstract

In this talk we review some inverse problems for Kirchhoff-Love isotropic plates studied in recent years in collaboration with Edi Rosset and Sergio Vessella. The results mainly refer to size estimates for elastic inclusions and to the unique determination of a cavity or a rigid inclusion by boundary measurements. The stability issue in the identification of a rigid inclusion and extensions to anisotropic plates are also briefly addressed.

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