

**Uniqueness for the Inverse Boundary Value Problem of Anisotropic Elasticity with  
Piecewise Constant Coefficients**

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The speaker will consider in this talk the case of the anisotropic elasticity equation with piecewise constant coefficients, where the domains, on which the coefficients are constant, are assumed to be known *a priori*. Under certain curvature assumptions on the geometry of the boundaries, one may determine the coefficients adjacent to the outer boundary and derive a uniqueness result for the inner coefficients, using local boundary measurements. In the case when all the subdomains are assumed to be subanalytic, the requirement that they be known *a priori* may be dropped.