

Meeting: 998, Houston, Texas, SS 16A, Special Session on Mathematical Physics

998-46-389 **F Menendez-Conde*** (fmclara@uaeh.reduaeh.mx), Mexico. *Eigenfunction expansions and spectral projections for isotropic elasticity outside an obstacle.*

We consider the selfadjoint realization of $\Delta - \alpha \text{grad div}$ acting on an exterior domain $\Omega \subset \mathbf{R}^3$ and subject to Dirichlet boundary conditions. The spectral resolution for this operator is written in terms of an expansion of generalized eigenfunctions. (Received March 02, 2004)