1003-35-872   **Allan Greenleaf*** (`allan@math.rochester.edu`), Dept. of Mathematics, Univ. of Rochester, Rochester, NY 14627, **Matti Lassas**, Inst. of Mathematics, Helsinki Univ. of Technology, FIN-02015 Helsinki, Finland, and **Gunther Uhlmann**, Dept. of Mathematics, Univ. of Washington, Seattle, WA 98195. *Nonuniqueness for singular anisotropic conductivities in the Calderon problem.*

We construct singular anisotropic conductivities in three or more dimensions which have the same Dirichlet-to-Neumann map as a constant isotropic conductivty. (Received September 30, 2004)