

## Uniqueness for the two dimensional Calderón's problem with unbounded conductivities

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**Abstract.** In this work we consider the Calderón problem in two dimensions with conductivity  $\gamma \in W^{1,2}(\Omega)$ . This condition allows for the conductivity to be unbounded. We prove a uniqueness result when  $\|\nabla \log \gamma\|_{L^2}$  is bounded by a fixed constant depending on the domain  $\Omega$ .

**Mathematics Subject Classification (2010):** 35R30 (primary); 35J45, 35P25 (secondary).