1113-35-83     **Oleg Yu Imanuvilov*** (`oleg@math.colostate.edu`), 101 Weber Building, Department of Mathematics, CSU, Fort Collins, CO 80523. *On Calderón's problem for the system of elliptic equations.*

We consider the Calderón problem in the case of partial Dirichlet-to-Neumann map for the system of elliptic equations in a bounded two dimensional domain. The main result of the manuscript is as follows: If two systems of elliptic operators generate the same partial Dirichlet-to-Neumann map the coefficients can be uniquely determined up to the gauge equivalence. (Received August 12, 2015)