Very weak solutions to elliptic equations with singular convection term

Luigi Greco

Università degli Studi di Napoli "Federico II", Naples, Italy luigreco@unina.it

The talk is based on the joint work with Gioconda Moscariello and Gabriella Zecca

We study Dirichlet problem for a nonlinear equation with a drift term. Despite the presence of the singular convection term, we establish existence and uniqueness of a solution in spaces larger than the natural one.