Quasilinear Venttsel BVPs with Discontinuous Data

DIAN K. PALAGACHEV

DMMM, Politecnico di Bari, Italy

We will present some very recent results regarding the regularity and solvability theory of second-order quasilinear elliptic equations with discontinuous coefficients coupled with boundary conditions of Venttsel type, given in terms of second-order quasilinear operators with discontinuous data.

The results are obtained in collaboration with Alexander Nazarov (St. Petersburg), Darya Apushkinskaya (Saarbrücken) and Lubomira Softova (Salerno).