

Exact global regularity for degenerate elliptic PDE

Boyan Sirakov¹

¹ Pontifical Catholic University of Rio de Janeiro, PUC-Rio

We consider a class of elliptic PDE which degenerate along the critical set of a given solution, and prove exact boundary and global regularity estimates, in terms of the Holder exponent of the gradient of any solution. A joint work with D. Araújo (UFPB).