

abstract

GUEST LECTURE IN GEOMETRIC PDE

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

A well-known example by N. N. Ural'tseva suggests that for fixed $p > 2$ there is no unique W^2_p -solvability of elliptic equations under $p > 2$ the condition that the leading coefficients are measurable in two spatial variables. We will present a recent result which gives the unique W^2_p -solvability of parabolic and elliptic equations under this condition, when $p \geq 2$ is close to 2 depending on the ellipticity constant. This is joint work with N. V. Krylov.