

Hodge decomposition in variable exponent Lebesgue and Sobolev spaces

24.06
9:30-10:00

Mikhail Surnachev

Keldysh Institute of Applied Mathematics RAS

peitsche@eandex.ru

We shall discuss classical boundary value problems for the Hodge Laplacian in variable exponent Lebesgue and Sobolev spaces and related results such as Hodge decomposition, gauge fixing, div-rot type systems. This is a joint work with A. Balci (Bielefeld Uni) and S. Sil (Indian Institute of Science).