

THE DIRICHLET PROBLEM WITH BOUNDARY DATA OF FRACTIONAL SMOOTHNESS IN DOMAINS WITH AHLFORS REGULAR BOUNDARY

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Abstract: In recent years, numerous authors have investigated the Dirichlet problem for second order elliptic differential equations, with boundary data in Lebesgue or Sobolev spaces, in domains with very rough boundaries. In particular, some authors have considered the Dirichlet problem in domains with higher codimensional boundary. In this talk we will extrapolate their results to the Dirichlet problem with boundary data in Besov spaces.

This is joint work with Svitlana Mayboroda and Alberto Pacati.