STRONG UNIQUENESS FOR ELLIPTIC AND PARABOLIC EQUATIONS

HERBERT KOCH
MATHEMATISCHES INSTITUT
UNIVESITÄT BONN

The talk will discuss strong unique continuation results for variable coefficient second order elliptic and parabolic equations. The coefficients in the lower order terms, i.e. the potential and the gradient potential, are allowed to be unbounded. I will explain Carleman inequalities, their application and the relation to dispersive properties.