Control of degenerate parabolic operators in low space dimension: old and new

Piermarco Cannarsa

Università Roma Tor Vergata
cannarsa@mat.uniroma2.it

Abstract

The null controllability properties of degenerate parabolic operators in low space dimension, via either boundary or locally distributed controls, are by now fairly well understood. They will be the main topic of this talk, in which special attention will be devoted to estimates for the blow-up of the cost of control as degeneracy approaches the controllability threshold.