



# FMSP Lectures

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## Control and stabilization of degenerate wave equations

March 22 (Tue) 10:00 ~ 11:00 Room 118

### Abstract:

The control of degenerate PDE's arise in many applications such as cloaking, climatology, population genetics, and vision.

For such models, the diffusion operator degenerates on some subset of the spatial domain. We present some recent results on observability, control and stabilization of these equations.

This is a joint work with Piermarco Cannarsa (University di Roma Tor Vergata, Italy) and G \ "unter Leugering (Friedrich-Alexander-Universit \ "at Erlangen-N \ "urnberg, Erlangen, Germany).