

Controllability of Coupled Stokes and Navier-Stokes equations

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In this talk we present some new results on the null controllability of m -coupled Stokes equations. We will consider the situation in which we act only in the first N -dimensional Stokes system and we act only in $N - 1$ components of this system. We present a local result for the Navier-Stokes situation. The work is in collaboration with Takéo Takahashi and Yingying Wu.