

STABILIZATION AND OPTIMAL CONTROL IN MULTIAGENT DYNAMICS

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In this lectures we consider classical results of feedback stabilization and optimal control and their applications in optimal stabilization of dissipative systems. Multiagent systems with their emergent behaviors represent a natural example of dissipative systems and they will be the motivating example for our lectures. We will see how classical results in control apply to this rather new research field opening new problems and offering new perspectives.