



Thursday, May 24, 2012.

Andrew Lewis (Queens University, Canada)

Fundamental problems in geometric control theory

Abstract:

Two of the most fundamental concepts in control theory are controllability (roughly, can one steer to from one state to another) and stabilisability (roughly, can one render a possibly unstable state stable by using control). The topic of controllability is well studied in the framework of geometric control theory. The topic of stabilisability, however, while well studied in its own right by analytical Lyapunov-style methods, is not really a part of modern geometric control theory. In this talk we present the ideas of controllability and stabilisability and very briefly describe the history of these subjects. Finally, we describe some recent efforts to bring the theory of stabilisability into the fold of geometric control theory by relating it precisely to controllability.

Univ. Carlos III de Madrid



Default Data

Time 10:45 to 11:45
Location Room 2.2.D08
Building Sabatini (2nd Floor)

Address

Avda. de la Universidad 30
28911, Leganés, Madrid

Department of Mathematics

