



Systems and Control Group Seminar

25 October, 2023, 14:30

Mathematics Department, University of Aveiro

Room Sousa Pinto (11.2.6)

Some applications of differential geometry

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Abstract

Differential geometry is rich in concepts, structures, and subtle mathematical techniques which can be successfully applied to solve problems in various fields of science and technology. In this seminar, the interdisciplinary nature of differential geometry will be illustrated mainly through geometric control, a field which lies at the junction of mathematics and engineering. I intend to drive the audience through several concepts and results, using a simple language that privileges geometric intuition.

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