

# Seminário OGTC

Optimization, Graph Theory and Combinatorics

1 de julho de 2022 (15h00–16h00)  
(sala 11.3.21)

## Dynamical versions of the Chow-Rashevskii's Theorem

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### Abstract

We study smooth non-wandering flows on compact Sub-Riemannian manifolds. It is demonstrated that any point can be attained from another one by applying a horizontal control. As a corollary, we prove 'non-holonomic' versions of the  $C^0$  closing lemma and the  $C^1$  connecting lemma. Moreover, we found some analogs of Trotter formula for the considered case.

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This seminar is supported by The Center for Research and Development in Mathematics and Applications (CIDMA) through the Portuguese Foundation for Science and Technology (FCT - Fundação para a Ciência e a Tecnologia), reference UIDB/04106/2020.