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CENTRO DE I&D EM MATEMÁTICA E APLICAÇÕES
CENTER FOR R&D IN MATHEMATICS AND
APPLICATIONS

Gravitational Geometry and Dynamics Group Seminar

Wed. 14th June '23 Online at 11h00

Brans-Dicke and Ricci- squared Gravities: Sixty Years On... (New Exact Solutions, WEC, Wormholes, and More)

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Zoom meeting ID 962 2413 8340

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In this talk, I aim to challenge persistent misconceptions surrounding Brans-Dicke and (Buchdahl's) pure Ricci-squared theories. Through concrete counterexamples in the form of new exact solutions, I will shed light on theoretical aspects related to the violation of the Weak Energy Condition, the construction of wormholes, and the revelation of novel structures within these spacetimes. Join me as we revisit these gravitational theories and explore their untapped potential.

[https://videoconfcolibri.zoom.us/j/96224138340?](https://videoconfcolibri.zoom.us/j/96224138340?pwd=YkZUMGIb0dqVjcxOVpXMTFVMTBxQT09)

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