

# The inverse problem of Lagrangian mechanics

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**17:00-18:00h** on campus in M.G.004  
**Analysis & Geometry Seminar, Antwerpen**

I will give a gentle introduction to some results on the following question: Given a set of coupled second-order ordinary differential equations, when are they equivalent to a set of Euler-Lagrange equations? I will mainly concentrate on the so-called multiplier approach to this question.