



Speaker: Anton Izosimov
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Thursday, February 18, 2016

2:00 PM

125 Hayes-Healy Hall

Title: Stability for the multidimensional rigid body and singular algebraic curves

Abstract:

A classical result of Euler says that the rotation of a torque-free 3-dimensional rigid body about the short or the long axis is stable, while the rotation about the middle axis is unstable. I will present a multidimensional generalization of this result and explain how it can be proved using some basic algebraic geometry of singular curves.