



VI Congreso de Jóvenes Investigadores de la RSME

Differential Geometry, Mathematical Physics and Control Theory

Coordinadores: Miguel Ángel Berbel, Asier López y Xabier Rivas

Jueves 9 de febrero, aula 207

Moderadores: Asier López Gordón y Xavier Rivas Guijarro

10:00 *Shannon information entropy for the Darboux III quantum nonlinear oscillator*, Iván Gutiérrez Sagredo

10:30 *Periodic orbits and Birkhoff sections of stable Hamiltonian structures*, Robert Cardona

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11:30 *Reduction by symmetries and applications to optimal control*, Leonardo J. Colombo

12:15 *Nonholonomic systems and the inverse problem*, Marta Farré Puiggali

12:45 *An introduction to contact Hamiltonian systems*, Manuel Lainz

Moderadores: Xavier Rivas Guijarro y Miguel Ángel Berbel López

17:00 *Noether Symmetries in Classical Field Theory and Pre-multisymplectic Geometry*, Arnaldo Guerra IV

17:30 *Contracting Forced Lagrangian and Contact Lagrangian Systems: application to nonholonomic systems with symmetries*, Alexandre Anahory Simoes

18:00 *Variational integrators for reduced Lagrange–Dirac systems*, Álvaro Rodríguez Abella

18:30 *A polycosymplectic reduction*, Bartosz Maciej Zawora



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