

Seminari de Geometria Algebraica 2010/2011 (UB-UPC)

Divendres 6 de maig a les 15 h, aula B1 FM-UB

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Monodromy for the Spherical Pendulum

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In 1980 Hans Duistermaat proved that the energy-momentum map for the spherical pendulum admits no global action-angle coordinates, as a consequence of the obstruction of nontrivial monodromy. After a review of Duistermaat's paper we explain an alternative (and easy) calculation of the monodromy, and explain that his main result is nothing but the classical Picard-Lefschetz formula.
