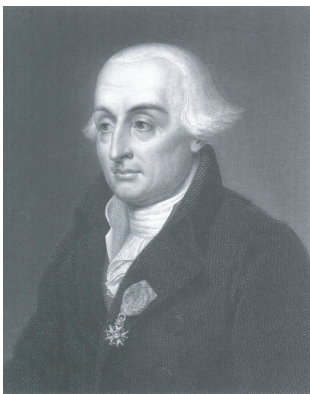


WORKSHOP ON THE MATHEMATICAL ASPECTS OF CELESTIAL MECHANICS

INSTITUT HENRI POINCARÉ

11 - 20 December 2007

200 years after the Memoirs of Lagrange and Poisson



KAM theory
Weak KAM theory
Averaging theories
N-body problems



Scientific Committee

A. Chenciner
J. Laskar
J.-C. Yoccoz

Organizing Committee

A. Albouy
P. Bernard
J. Féjoz
J.-P. Marco
L. Niederman
D. Sauzin

Morning: mini-courses

M.-C. Arnaud: Green's fiber bundles
G. Contreras: Genericity of positive entropy for geodesic flows
A. Neishtadt: Adiabatic invariants
R. Moeckel, R. Montgomery: Topics on the three-body problem

Afternoon: special sessions

Organizers

M. Chaperon & C. Viterbo
L. Niederman & P. Robutel
A. Albouy & R. Moeckel
H. Eliasson & J.-C. Yoccoz
B. Fayad & R. Krikorian
P. Bernard & A. Fathi
V. Kaloshin & M. Levi
A. Chenciner & R. Montgomery