

The Oliver Club

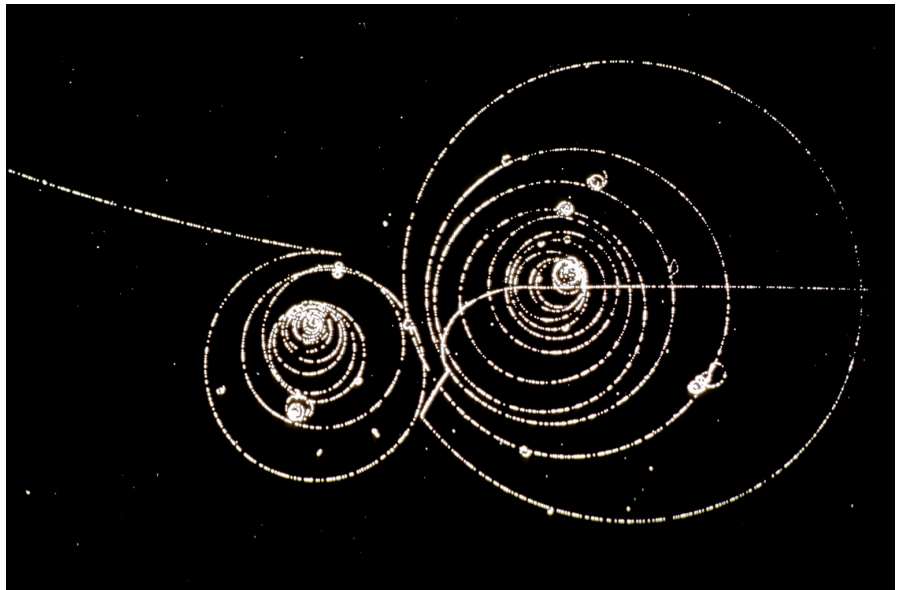
www.math.cornell.edu/~oliver/

Victor Guillemin, Massachusetts Institute of Technology

Moser Averaging

Moser averaging is concerned with classical mechanical systems in which all trajectories are periodic. (His averaging method is a way of predicting which of these trajectories survive small perturbations.)

In this talk we will describe some quantum applications of this method. In particular, we will show that a quantum version of Moser averaging enables one to generate interesting spectral invariants of semi-classical quantum systems like the perturbed harmonic oscillator.



Friday, November 11, 2011
at 2:30 PM in 406 Malott Hall

Refreshments will be served at 2:00 PM in the Mathematics Department lounge (532 Malott Hall).