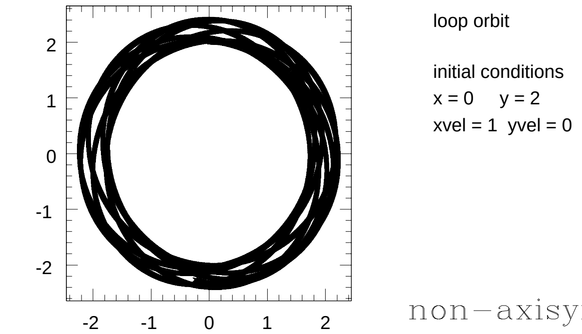


figure 1

non−axisymetric
logrithmic potential

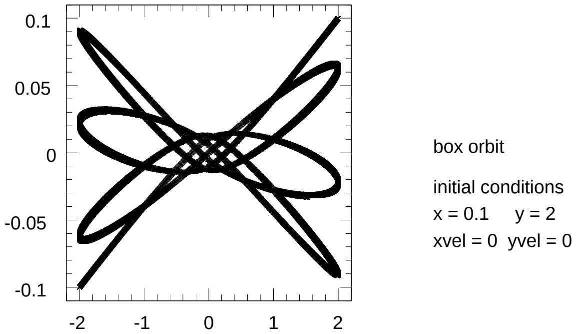
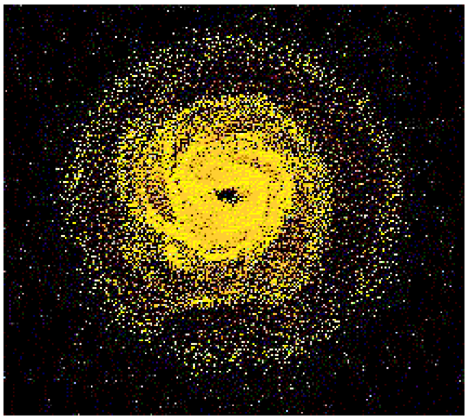


figure 2

This is a student solution to part of the computational laboratory module on orbital dynamics. The student wrote a differential equation solver, tested its convergence and accuracy properties, and integrated the orbits for a non-axisymmetric logarithmic potential. (Student: Janice Lee, Wesleyan University)



This is one frame of an MPEG movie created by students in their research project simulating colliding galaxies. They used a hybrid tree N-body code with smoothed particle hydrodynamics (TREESPH) to investigate galaxy harassment of a small late type spiral by an equal mass perturber in a high speed encounter (encounter velocity 2000 km/s, impact parameter 5 kpc). (Students: Lucio Mayer, Rejean Dupuis, Vishal Goklani)