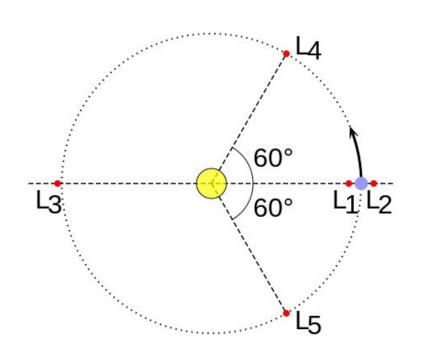
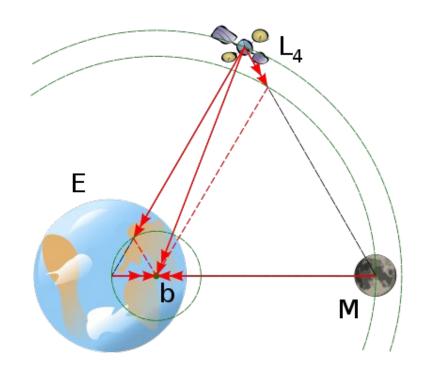
Simulation of Jupiter Trojan asteroids

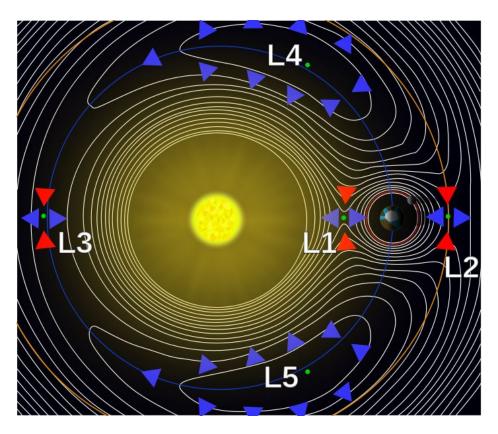
Chen Ding (cd2209) Computational Physics@NYU

Lagrangian Points

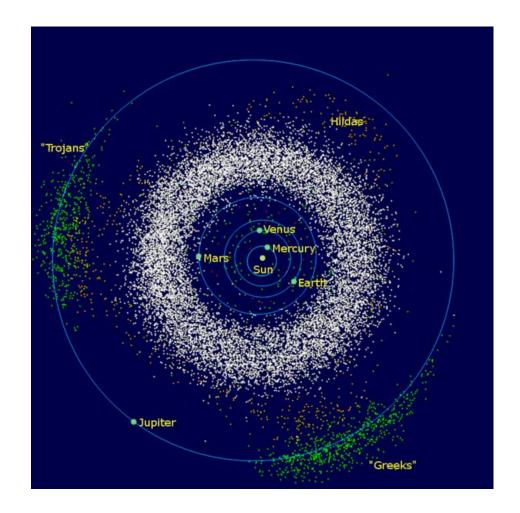




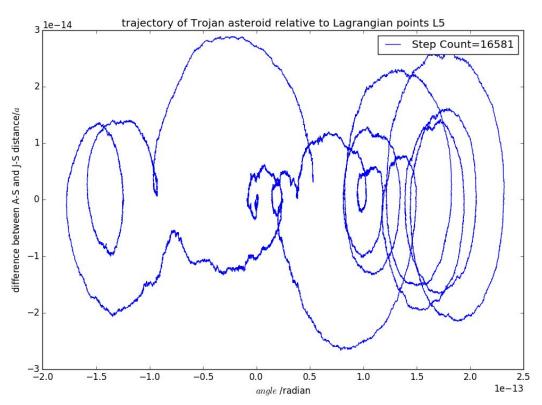
Lagrangian Points



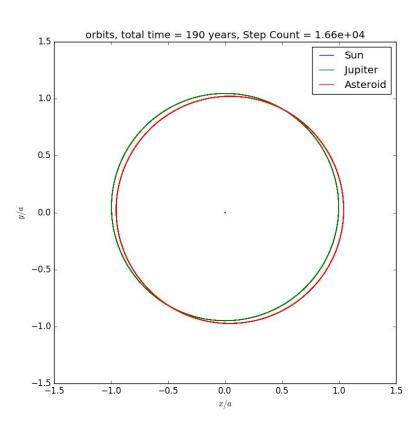
Jupiter Trojans



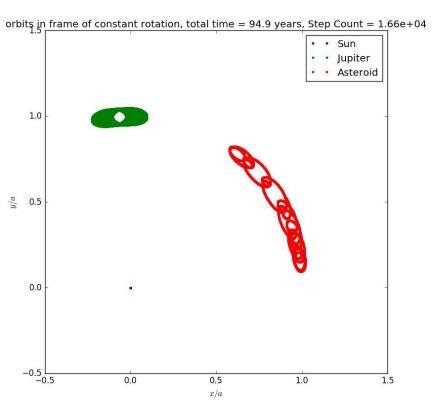
Perfect Lagrangian-point condition



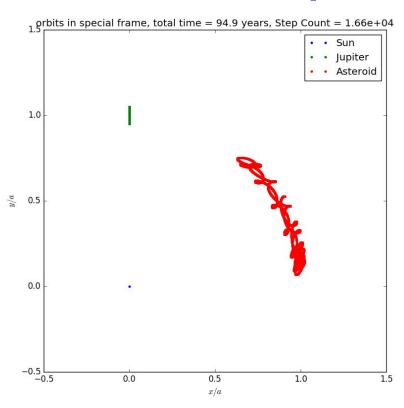
Orbits



Orbits in frame of constant rotation speed



Orbits in a frame of relative positions



Thank you.

Also many thanks to Prof MacFadyen & Geoffrey Ryan(T.A.)