AA 218 - Homework 8

Spring 2018

Nominal Due Date June 4

Read Chapters 15 and 16

Complete EXERCISE 15.3

Several interesting papers related to a potential that varies like 1/r²:

"On the dynamical and geometrical symmetries of Keplerian motion"

"Invariant variation problems Emmy Noether"

"Anomalies in quantum mechanics: The $1/r^2$ potential"

"A gravitational diffusion model without dark matter"

https://johncarlosbaez.wordpress.com/2015/08/30/the-inverse-cube-force-law/

https://en.wikipedia.org/wiki/Newton%27s_theorem_of_revolving_orbits

Complete EXERCISES 16.5(i) and 16.6