

General Relativity - PHY 6938

HW 7

Do not hand in this homework.

READ: READ: Chap 5.1-5.8

PROBLEMS:

Do the following problems from the problem book: 15.2, 15.3, 15.5, 15.6, 15.8 (Note: In Schwarzschild coordinates Kepler's 3rd law holds: $M = \Omega^2 r^3$, $\Omega := d\phi/dt$), 15.13 (you don't need to do the embedding diagram), 15.16