Ast 25 week 3b: Useful readings/ Homework #04

Wikipedia/internet readings

Dynamic solar system models
(http://www.skyandtelescope.com/community/skyblog/newsblog/105108519.html)

Cruithne, a quasi-satellite of the Earth
(http://en.wikipedia.org/wiki/3753_Cruithne)

Heavy duty papers on solar system models:
  Masset & Snellgrove 1999 (see the Astro 25 reading room)
  Hansen 2009: (see the Astro 25 reading room)

Neutrinos
http://en.wikipedia.org/wiki/Homestake_experiment
Origin of Neutrino Mass (see the Astro 25 reading room)

Objects of note
http://en.wikipedia.org/wiki/Type_Ia_supernova
http://en.wikipedia.org/wiki/Pulsar
http://en.wikipedia.org/wiki/Quark_star

Homework #04 (5 pts):

Write a short essay (300-400 words) describing the key issues involved in the post main-sequence life histories of massive stars. Incorporate, where appropriate, definitions/explanations of all the key words below. Provide at least two references you used in your work.

Nuclear fusion Neutrino
White dwarf Neutrino degeneracy pressure
Black dwarf Neutron star
Electron degeneracy pressure Pulsar
Chandrasekhar limit Quark star
Supernova Black hole