

Astro 25 week 11b: Useful resources/Homework #13

Wikipedia readings (don't delve too deeply)

Introduction to general relativity

http://en.wikipedia.org/wiki/Introduction_to_general_relativity

Tests of general relativity

http://en.wikipedia.org/wiki/Tests_of_general_relativity

Gravitational waves

http://en.wikipedia.org/wiki/Gravitational_waves

Binary pulsar PSR 1913+16

<http://www.astro.cornell.edu/academics/courses/astro201/psr1913.htm>

Homework #13 (5 pts):

Write a short essay (300+ words) describing the philosophical perspective that Einstein used in redefining the concept of gravity. Incorporate definitions/explanations of all the following key concepts. Provide at least two references you used in your work.

Action at a distance

Equivalence principle

Free fall

Fictional force

Tidal force

Geodesic

Spacetime

Warping space

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