ASTR 680
Practice questions for lecture 18
Rotation-powered pulsars

1. The short-term period change of the most accurate atomic clocks is about 10^{-15} s/s. For a millisecond pulsar with a rotation period of 2 ms, what is the magnetic field that it would have to produce such a change, if the field is orthogonal to the rotation axis? How does this compare with real MSP field strengths?