

Astronomy 4100, Homework # 06, 26 January 2015 (due 4 February 2015).

1. Compute the diffraction limit for the Hubble Space Telescope (2.4 m diameter) in the UV (300 nm) and near IR ($2.0 \mu\text{m}$). Compare with the under construction James Webb Space telescope which will have a diameter of 6.5 m.