Problems

Problem 7.1. Use an ATLAS model to plot the estimated flux density of Vega at the Earth from 300 to 1000 nm. Your axes should be wavelength in nm and flux density in Jy. Assume that Vega has $T_{\text{eff}} = 10,000$ K, $\log g = 4.0$, solar metallicity, and an angular diameter of 2.8332 mas (Yoon et al. 2010).