

Homework IX

Due *Wednesday February 27, 2008* by 2 pm.

Read Chapter 15.

Problems:

1. Estimate the view factors of the Earth and Moon with respect to each other.
2. Show Wien's Law: the wavelength of the peak of emission of a black body is given by $\lambda_{max} = b/T$, where T is the temperature of the body. Find b .
3. 15.2
4. 15.4
5. 15.7
6. 15.24
7. 15.29
8. 15.34

Quiz V: The fifth quiz will be on Wednesday March 12. It will be closed book and will cover the material from Chapters 14 and 15 of the book.