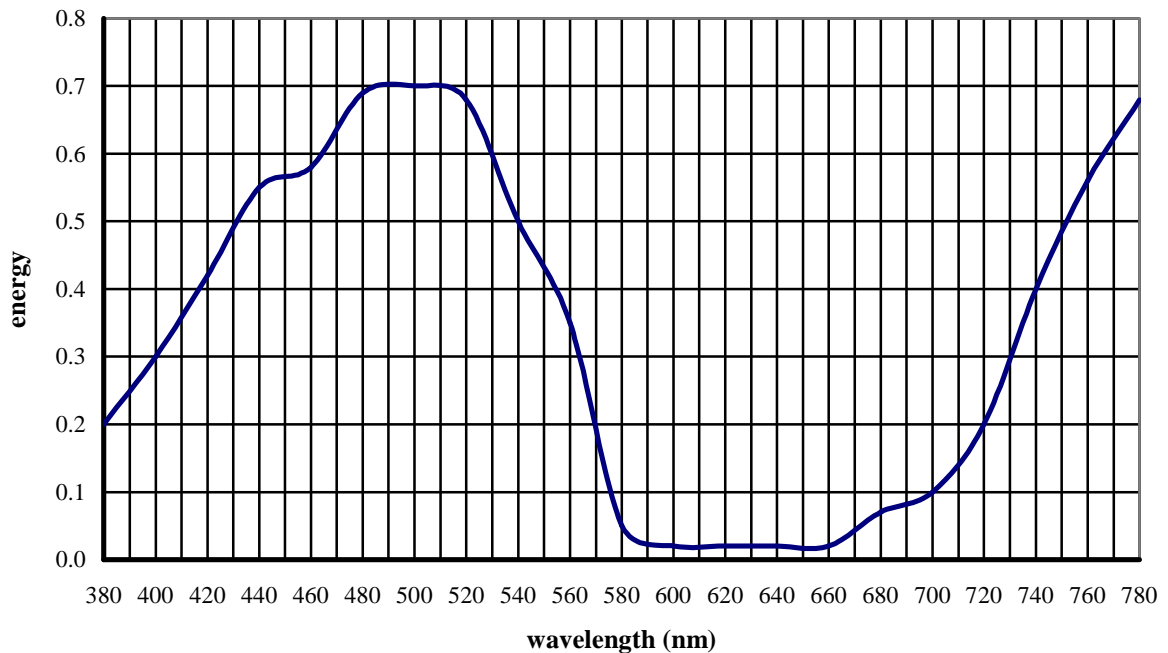


**Computer Science 411/611**  
**Virtual Reality Systems**  
**Fall 2004**  
**Homework 1 - Metamers**

**Due: Tuesday, 9/21/2004**

For the color spectrum shown below, determine the (R, G, B) values in the range [0.0, 1.0] that would produce a metamer of the color represented. In other words, what color is it? Assume standard NTSC phosphors with "white" defined as CIE illuminant C.

The CIE matching functions are available on the web page.



Please show all of your work in arriving at the final answer. Also, print out a block of the corresponding color on a color printer. (No webpage required for this assignment.)