

Project for Nicole Matteo (John Antoniadis)

a. Create a python class to hold WD cooling models from
<http://www.astro.umontreal.ca/~bergeron/CoolingModels/>

 this class should have methods for:

 distance scaling (i.e. compute the distance modulus as a function of the distance and
apply it to the data in the above tables) and
 extinction corrections (per band)

b. write a function to compute a black body spectrum, perform a convolution with a given filter
bandpass and output fluxes and magnitudes

c. write a function to fit a set of model magnitudes from (a) to observations