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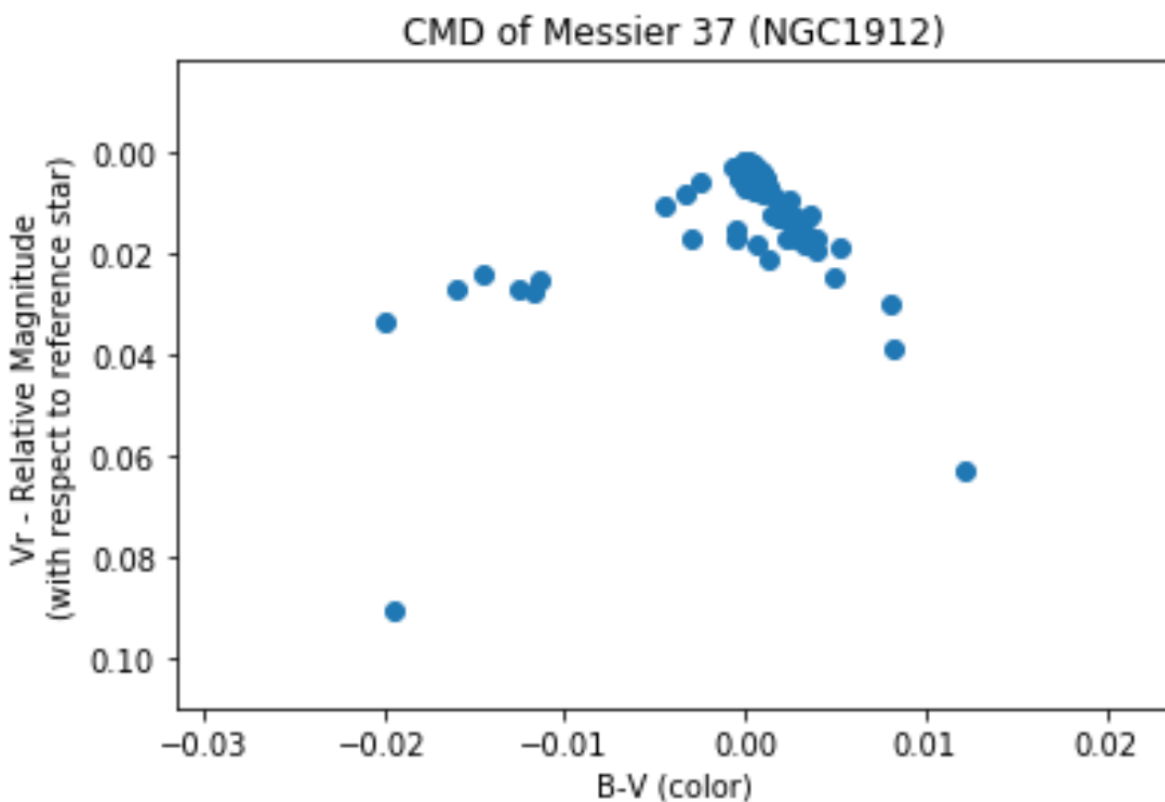
ASTR 320-500

13 April 2020

ASSIGNMENT 4

Results from the homework:

I chose to reduce the data from the Messier 37 (NGC1912) images



** The magnitudes used for plotting were taken from the data tables provided by AstroImageJ using a reference star I chose that is identified in the additional pictures attached. A typical B-V diagram would use the apparent magnitude; however, I was unable to find a reference star within the Messier 37 cluster with a known reference value that I could use. I also tried to get a variety of stars from the cluster to plot but most of them still ended up being close together. In total I plotted data from 100 stars using the pictures with the B & V filters.

Reduced V-filter image:



Reduced B-Filter image:

