The results should be sent to us until Friday the 27.11.

Time Series Analysis

Use either

Period04 (https://www.univie.ac.at/tops/Period04/)

or

Peranso (https://www.cbabelgium.com/peranso/).

We have shown how it works. We need the period(s) and amplitude(s) of the significant frequencies for each data set. Please also save the frequency spectra and send them to us.

Spectral Classification

In total we have 24 spectra (we found some more) to classify. We have attached them together with the spectra of standard stars. Please, remember to compare the hydrogen line profiles, the ratio of Ca K and Hϵ, look for the 5200A flux depression and the specific metallic lines, typically for CP stars. Please write down the final spectral types and possible outstanding things you have noticed.

All other features and so on are nicely described in the text by Richard Gray. You will also find information in our slides.

If you want to try MKCLASS, here is the link: http://www.appstate.edu/~grayro/mkclass/

Please note that not all spectra really must show the typical CP features.