

Characterizing the variability of a sample of massive pulsators in eclipsing binaries

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See poster
GP02

- Introduction

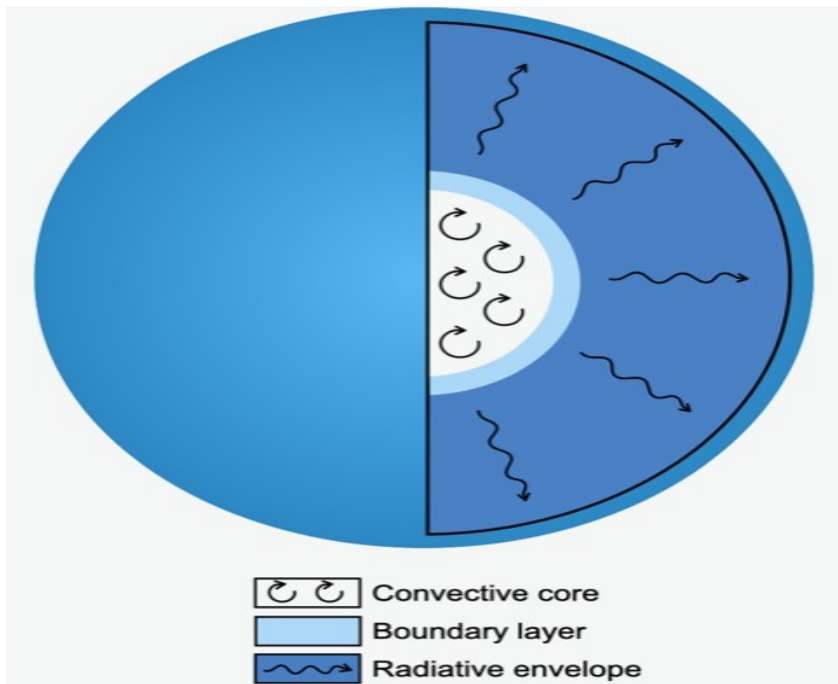
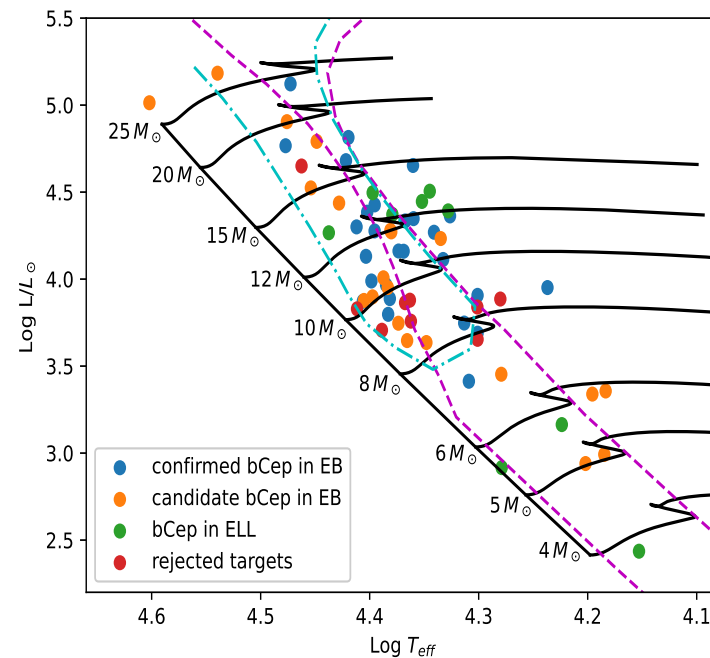
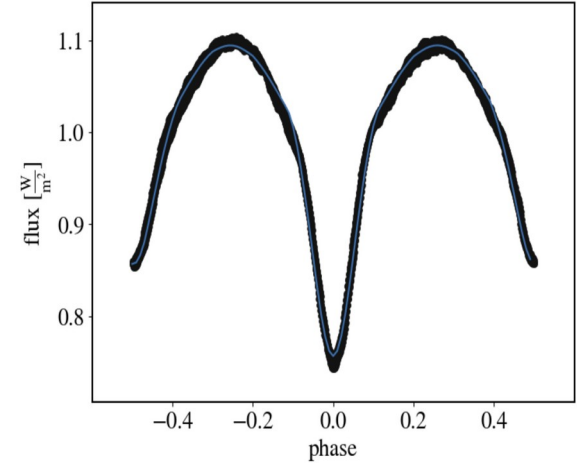
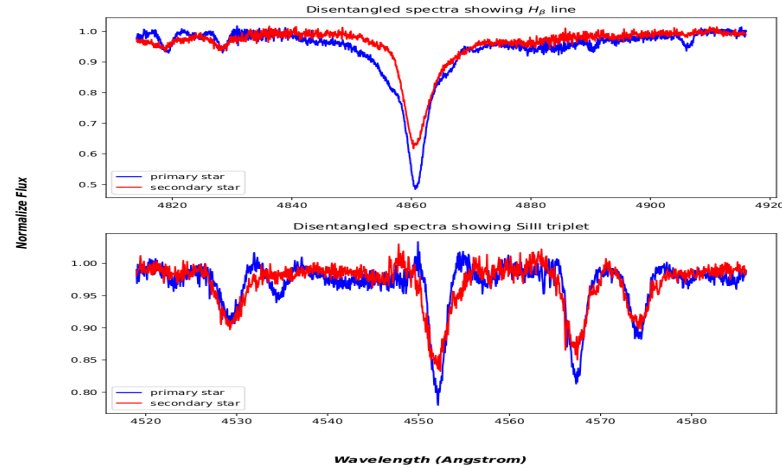
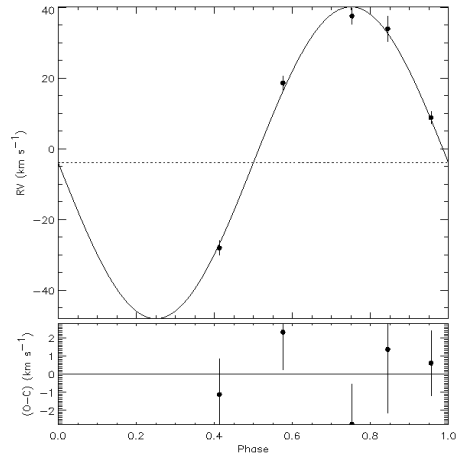


Image Credit: May Pedersen



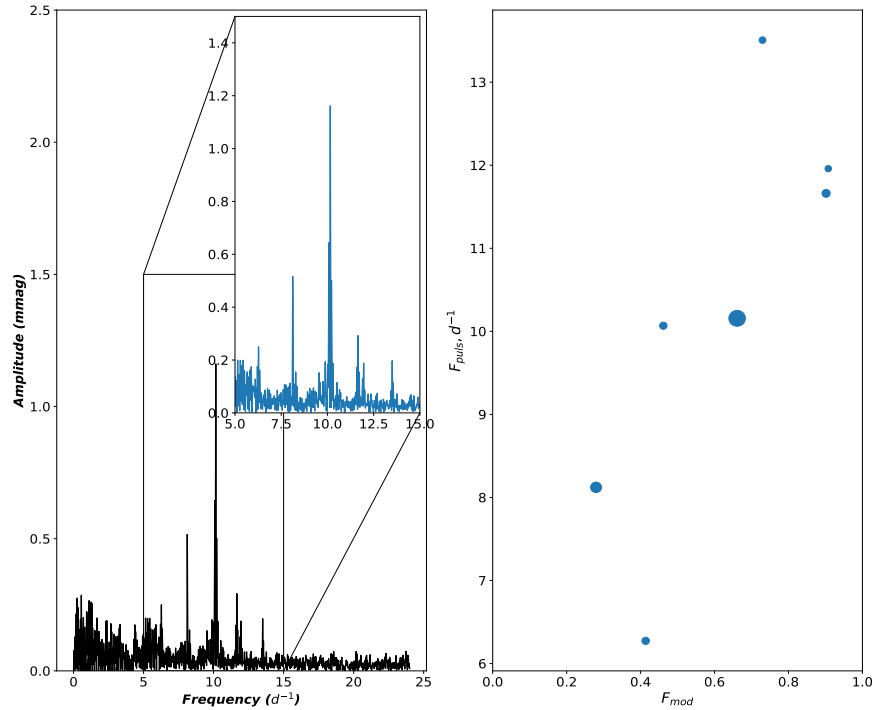
Eze & Handler (2024)

Spectra and Light Curve Analysis

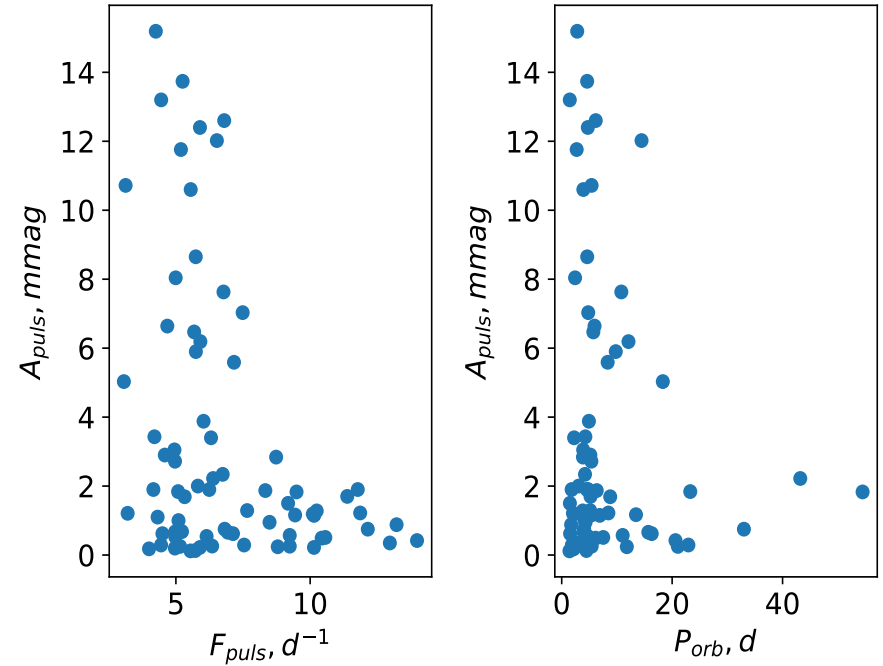


Target	Teff (K)	Logg	Vsini (km/s)	K (km/s)
CPD-45 3109	22000 $\pm$ 1000	3.5 $\pm$ 0.2	134 $\pm$ 5	34.08 $\pm$ 0.96
HD 101838	28000 $\pm$ 1000	3.5 $\pm$ 0.1	175 $\pm$ 6	-23.88 $\pm$ 0.87
V1166 Cen	27000 $\pm$ 1000	3.8 $\pm$ 0.1	252 $\pm$ 10	-49.64 $\pm$ 1.16

Pulsation Analysis



Fourier spectra of V1166 Cen (lp) & Echelle diagram of V1166 Cen (rp)



F-A relation for β Cep p modes (lp) & P-A relation for β Cep pulsators in eclipsing binaries