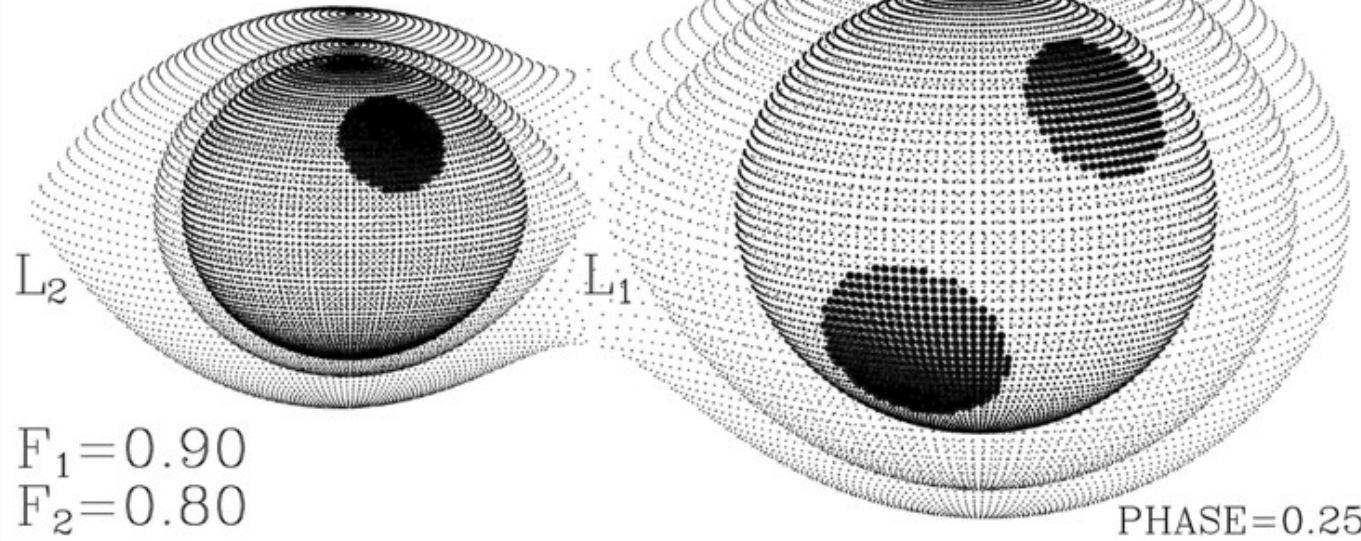


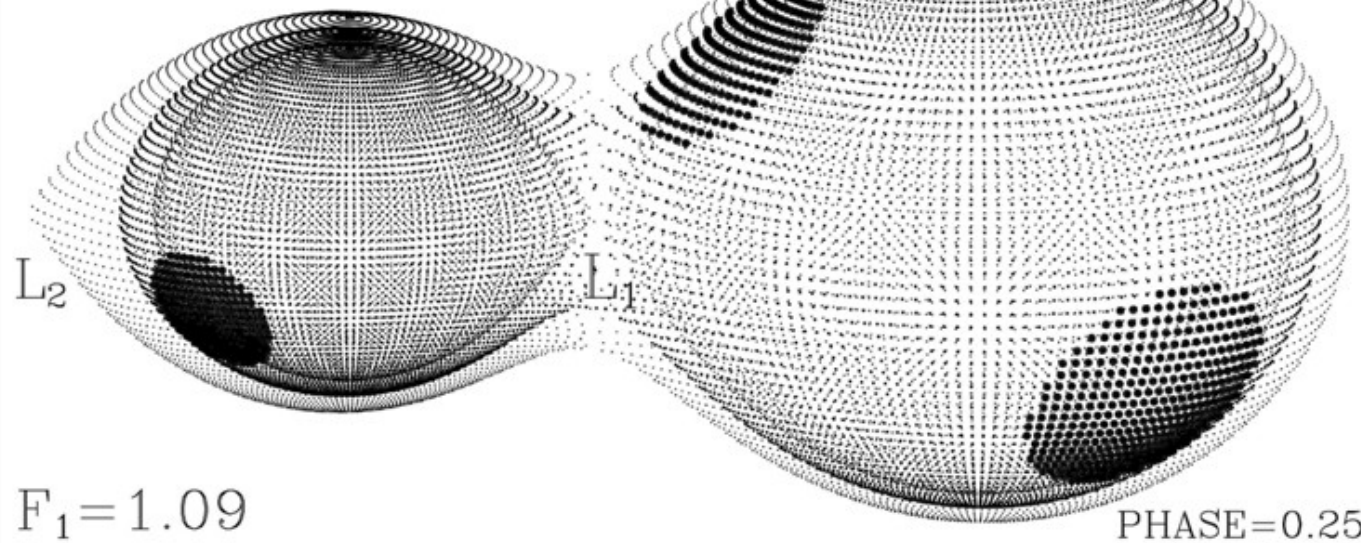
**Modeliranje i rešavanje inverznog  
problema spektrofotometrijskih  
posmatranja - ključ ka razumevanju  
prirode aktivnih tesnih dvojnih sistema**

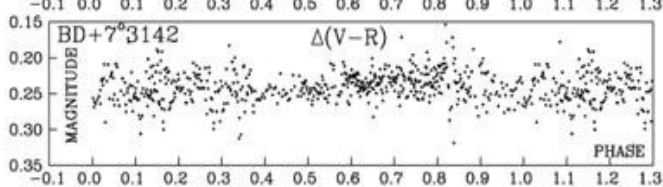
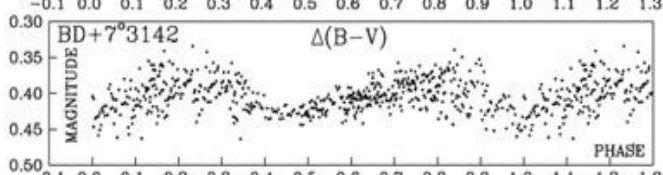
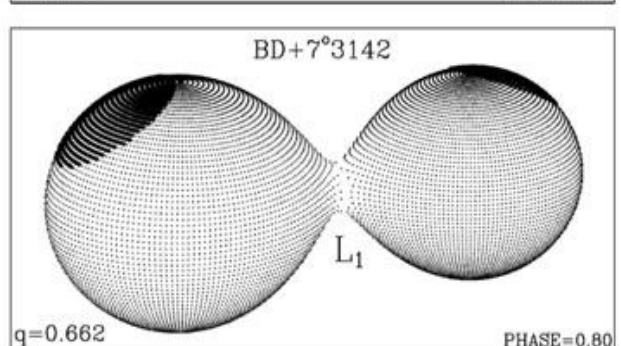
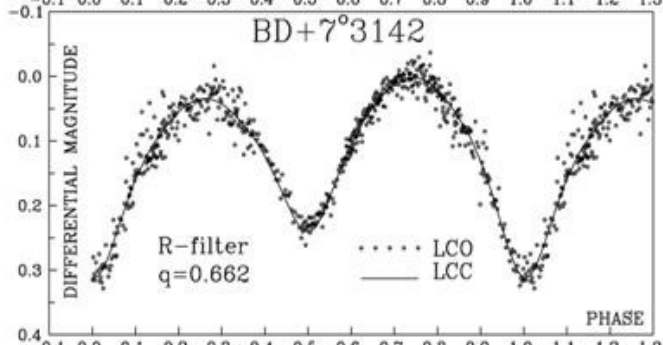
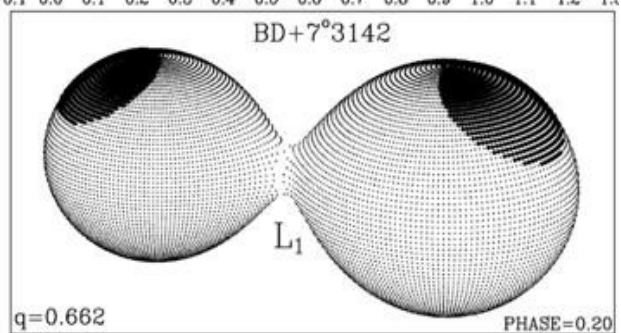
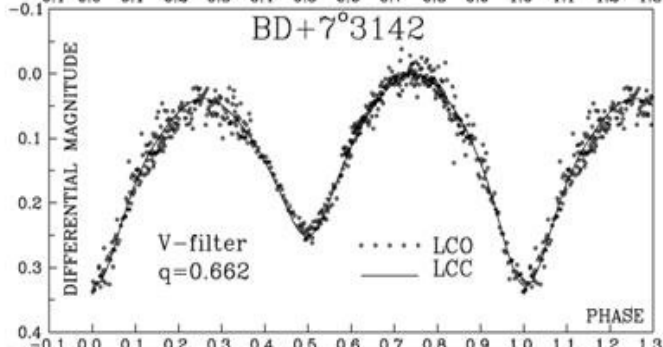
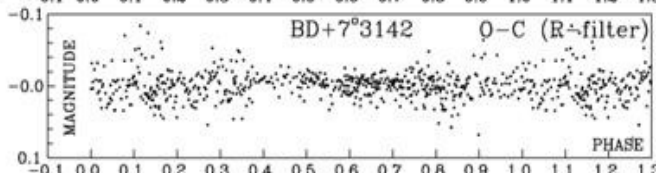
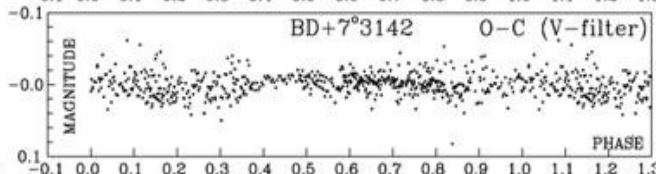
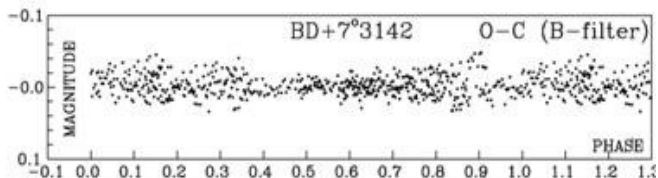
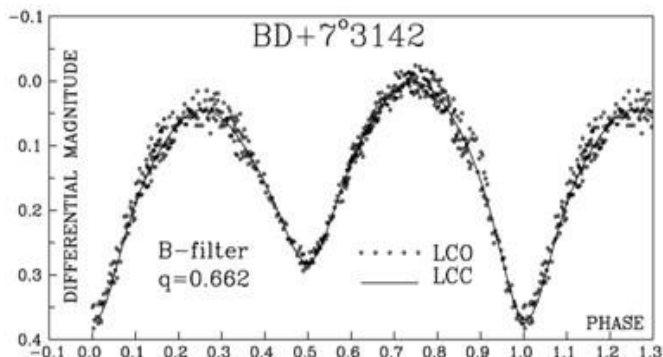
**Đurašević Gojko**

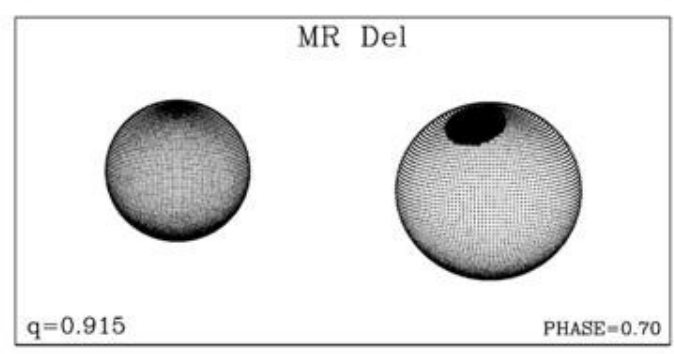
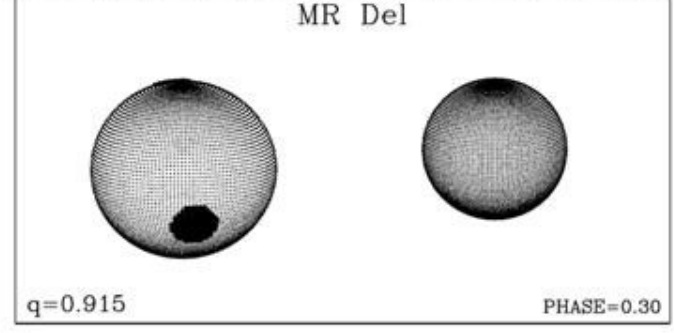
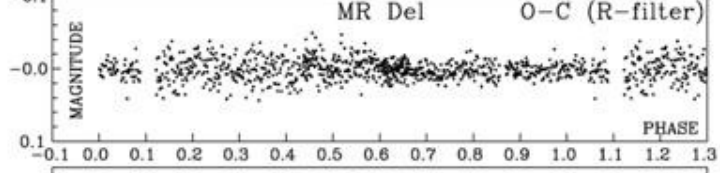
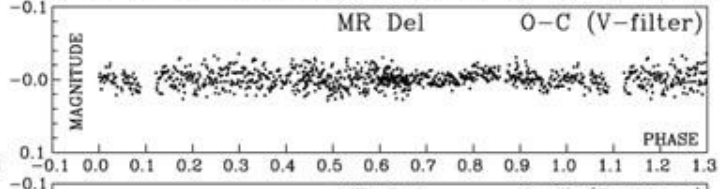
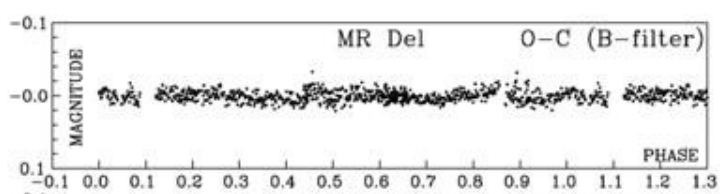
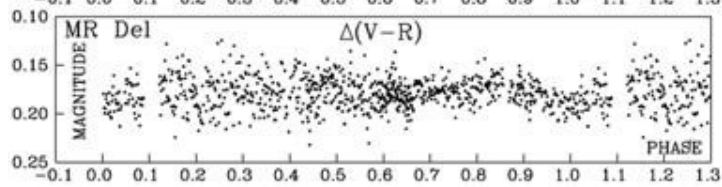
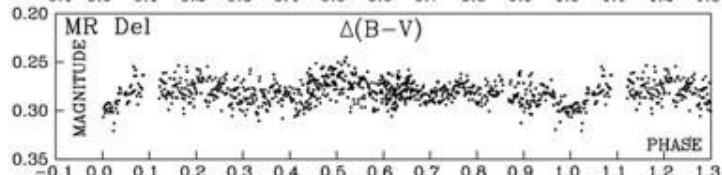
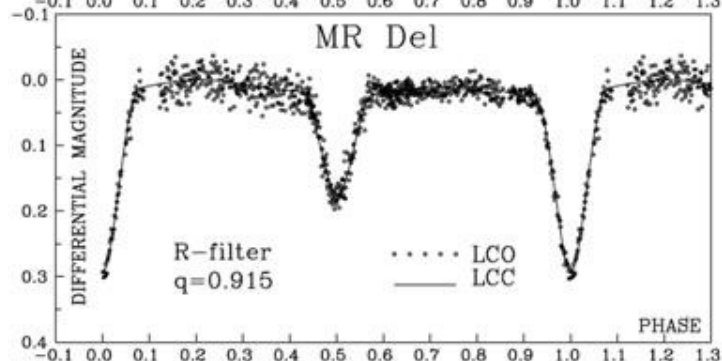
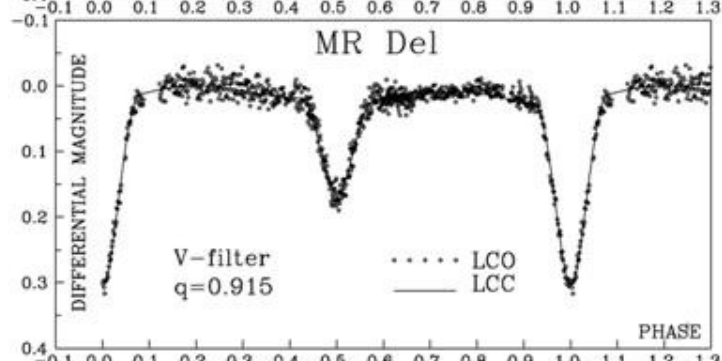
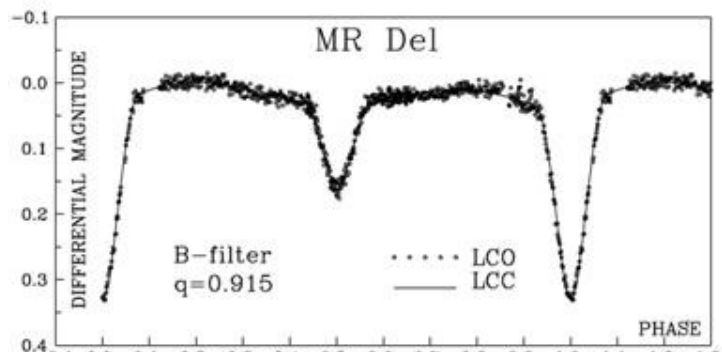
Roche model TDS  
 $q = m_2/m_1 = 3.019$

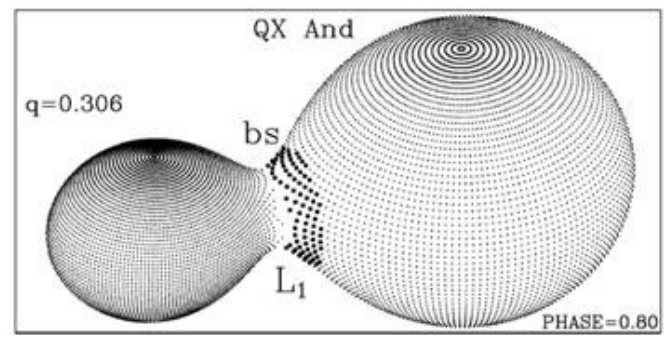
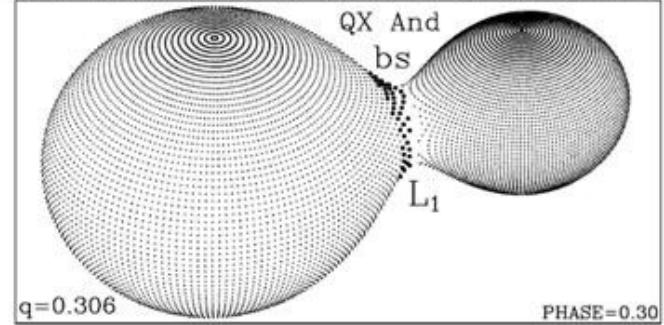
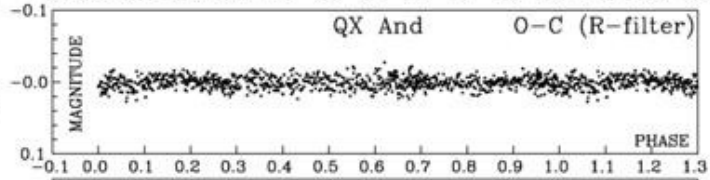
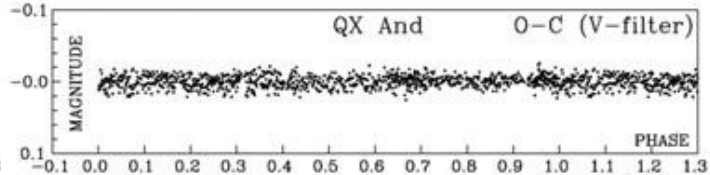
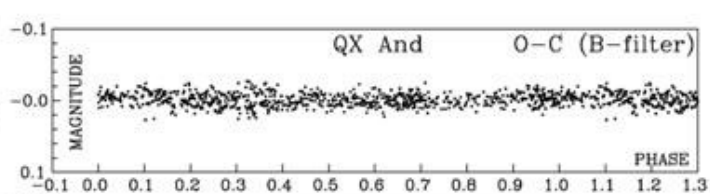
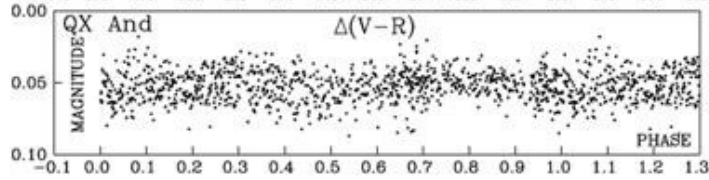
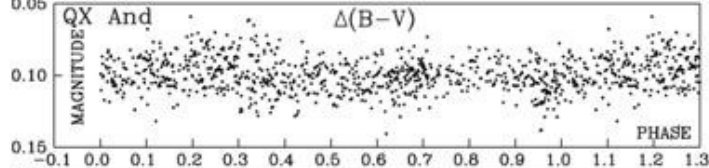
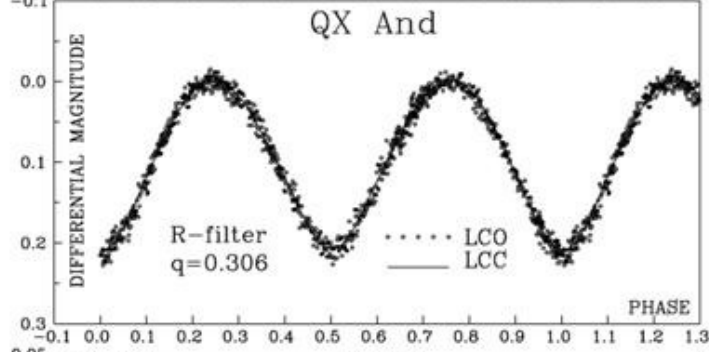
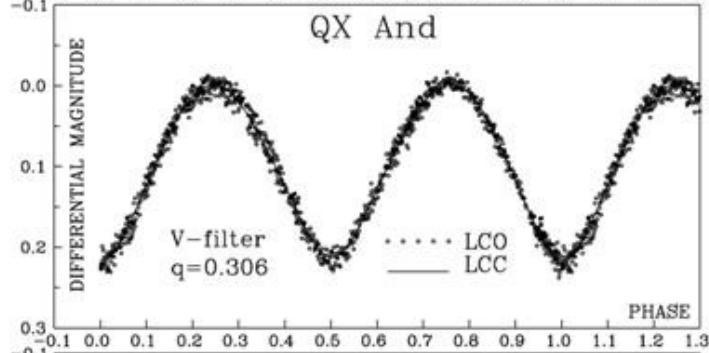
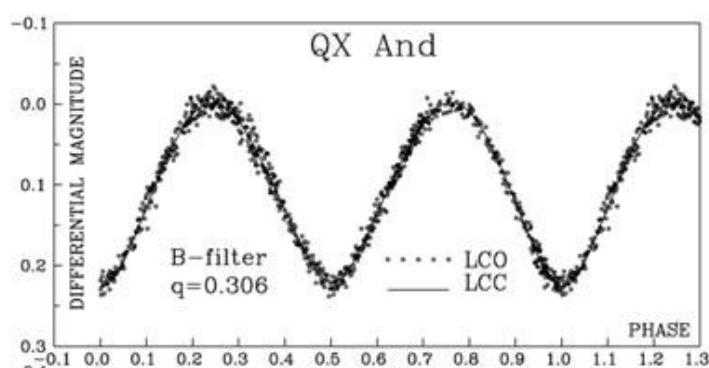


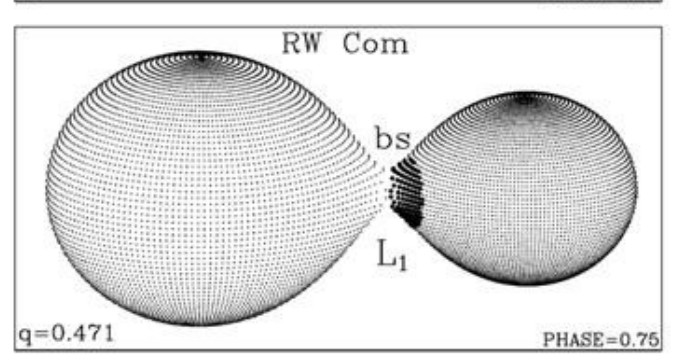
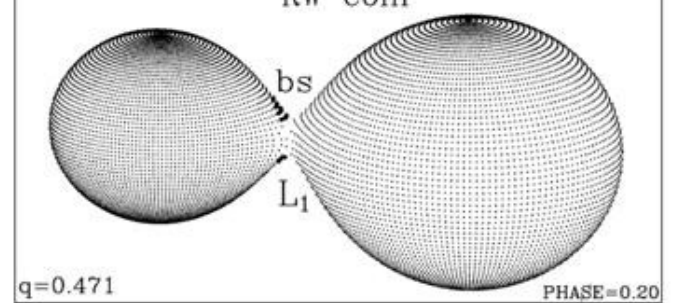
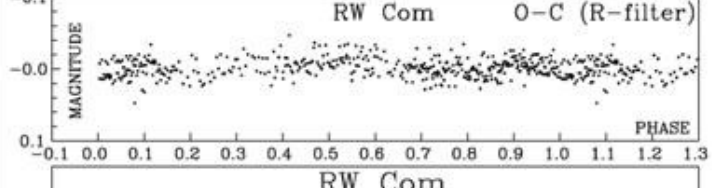
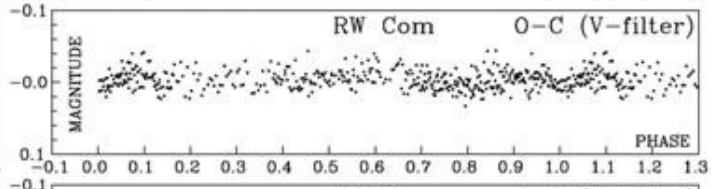
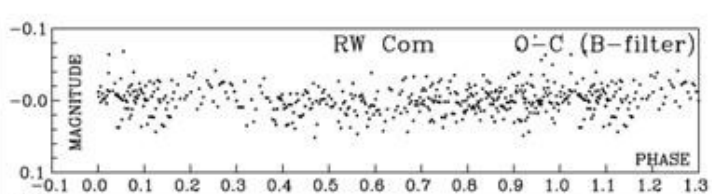
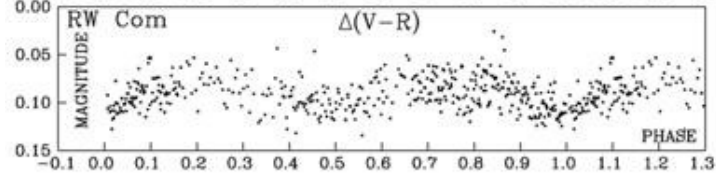
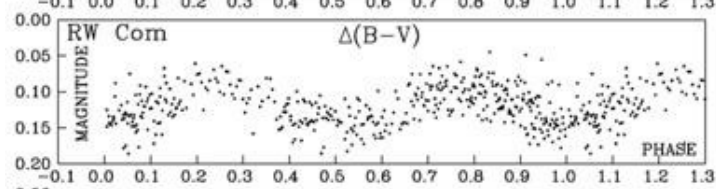
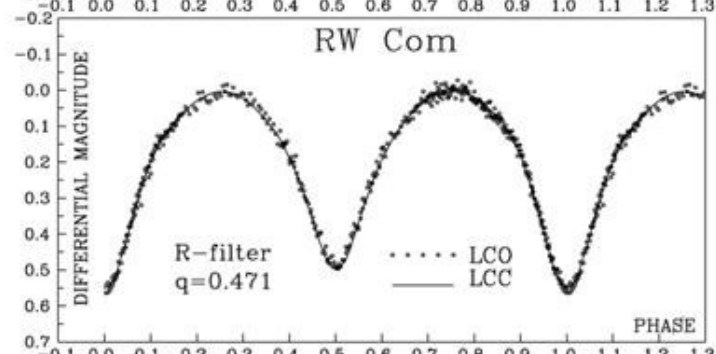
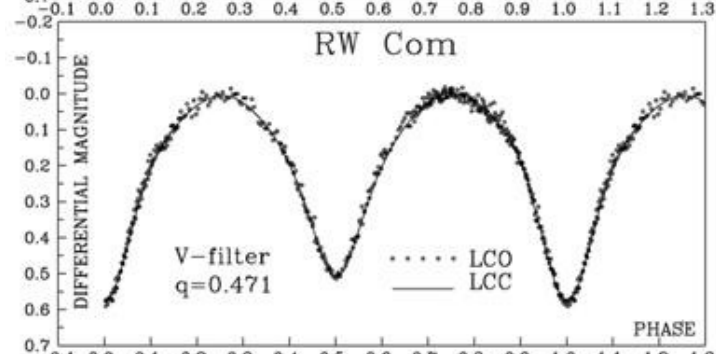
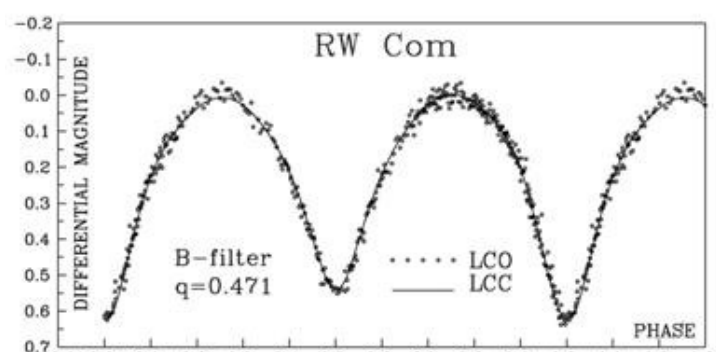
Roche model TDS u overkontaktu  
 $q = m_2/m_1 = 3.019$



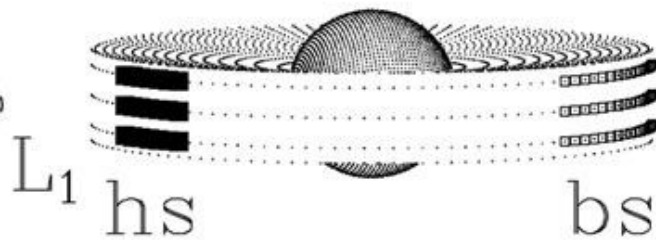
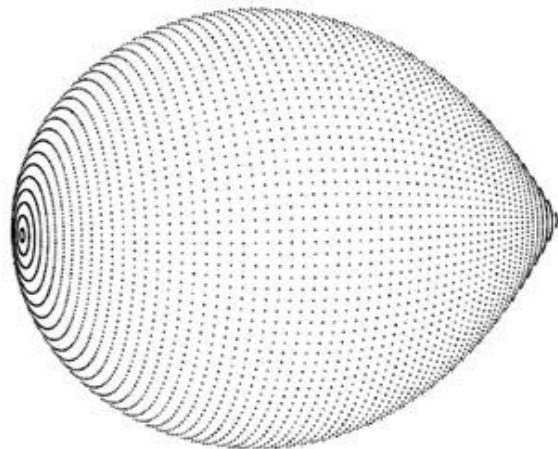






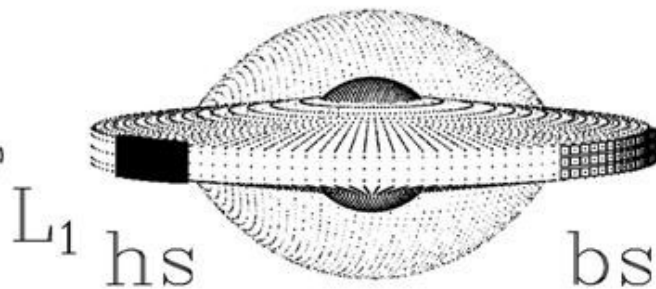
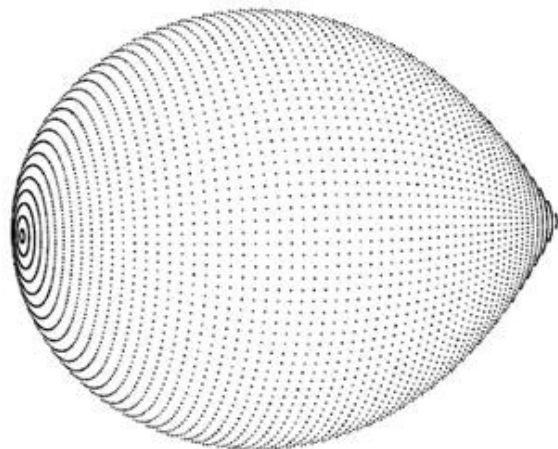


$q=0.6$  ;  $i=85^\circ$  ;  $f_h=1.0$  ;  $F_h=0.3$

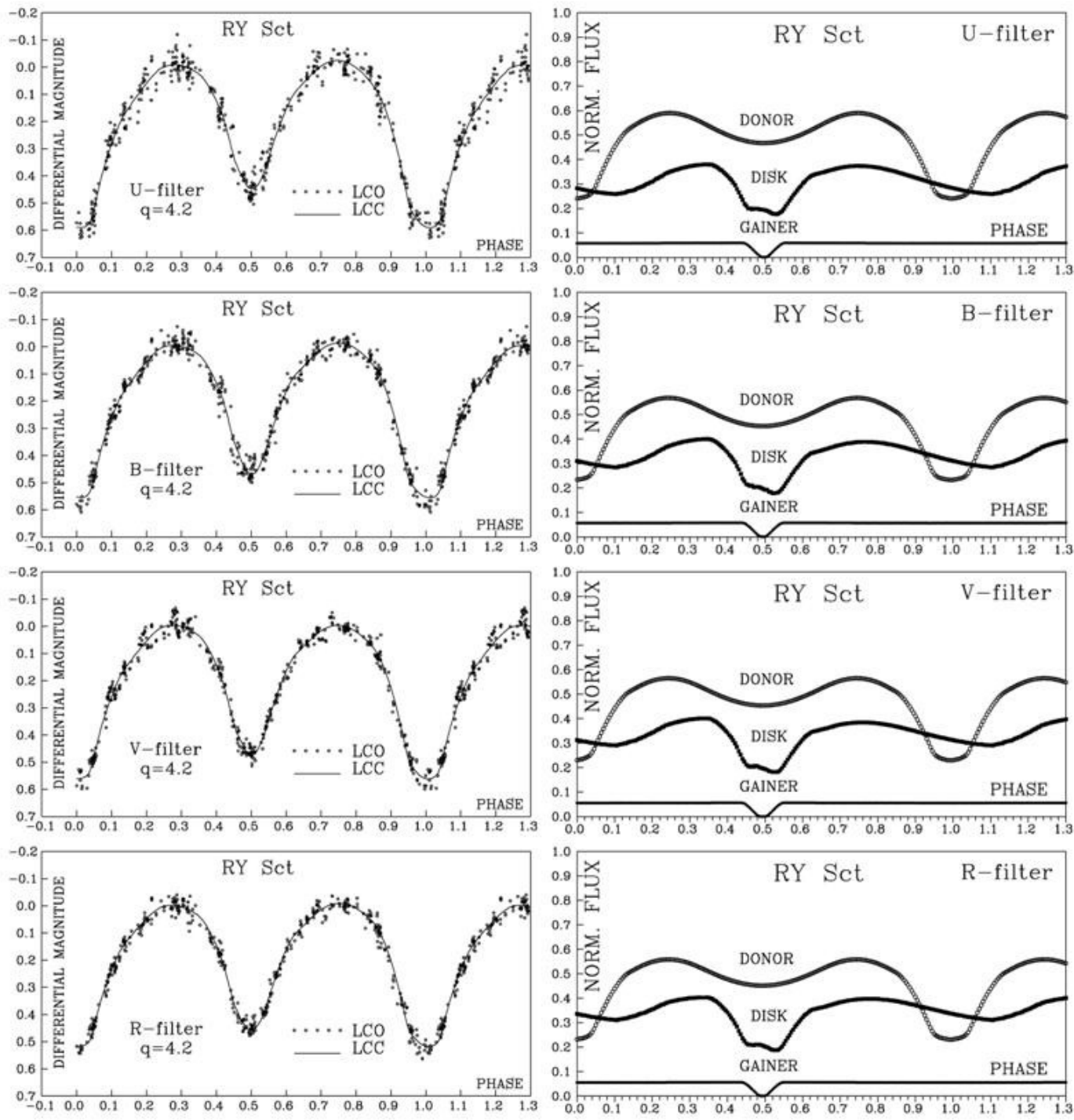


PHASE=0.80

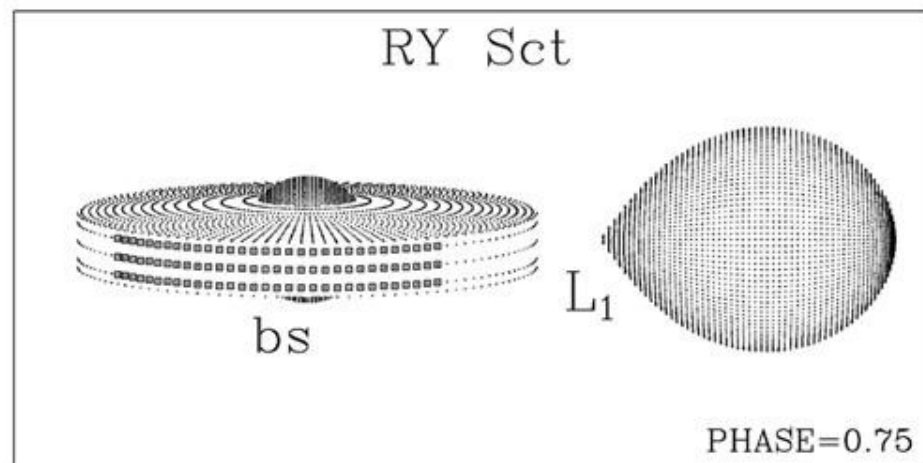
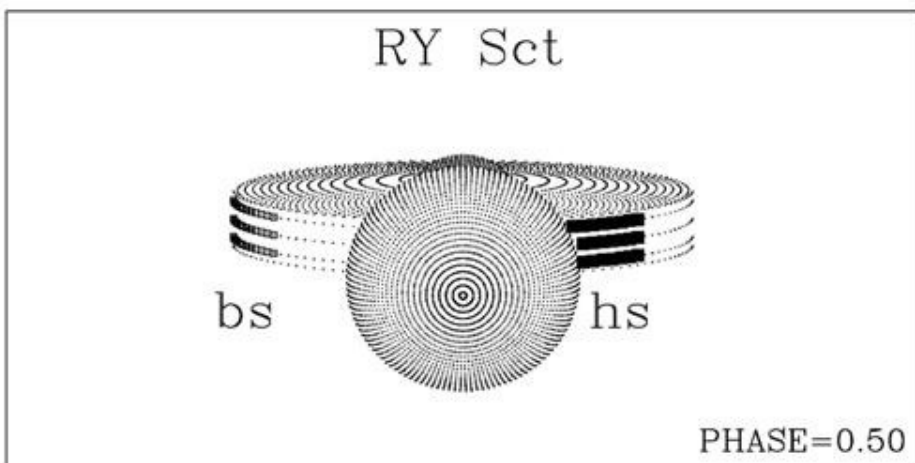
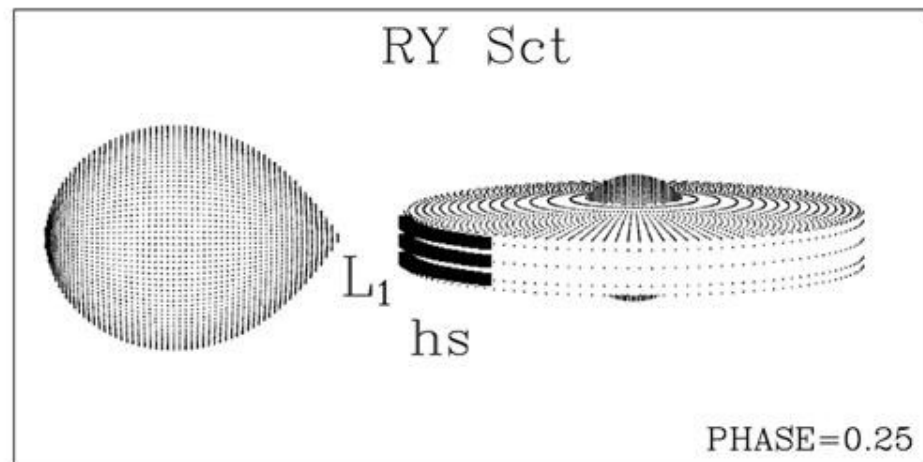
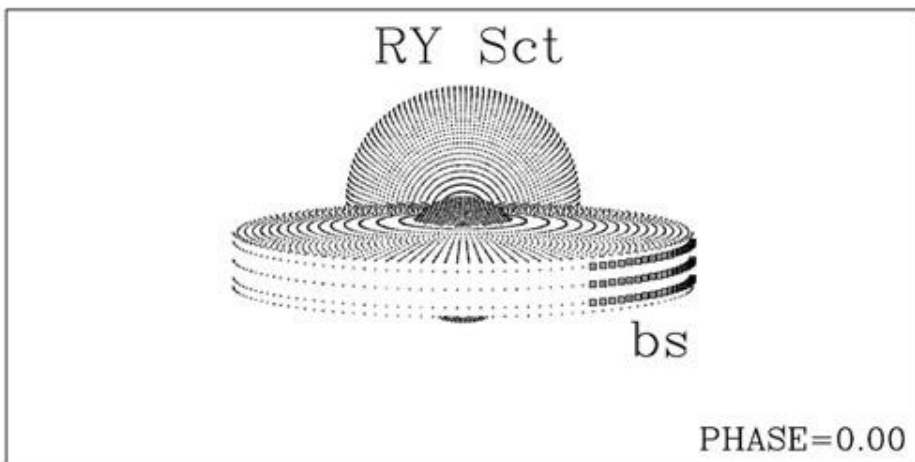
$q=0.6$  ;  $i=85^\circ$  ;  $f_h=5.0$  ;  $F_h=0.5$

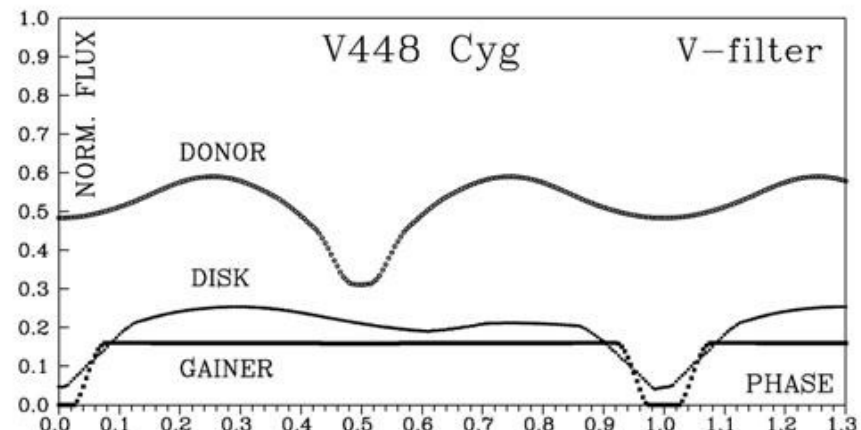
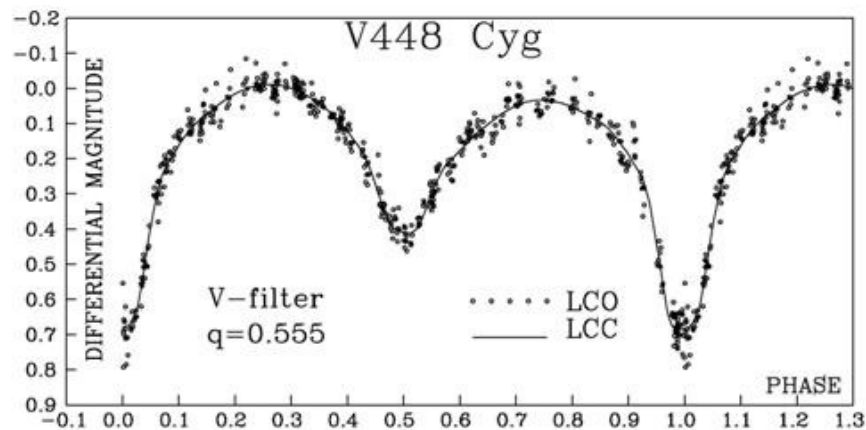
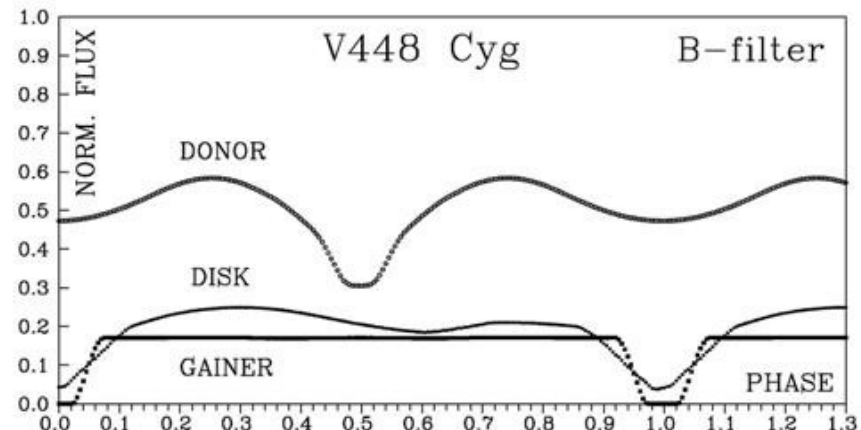
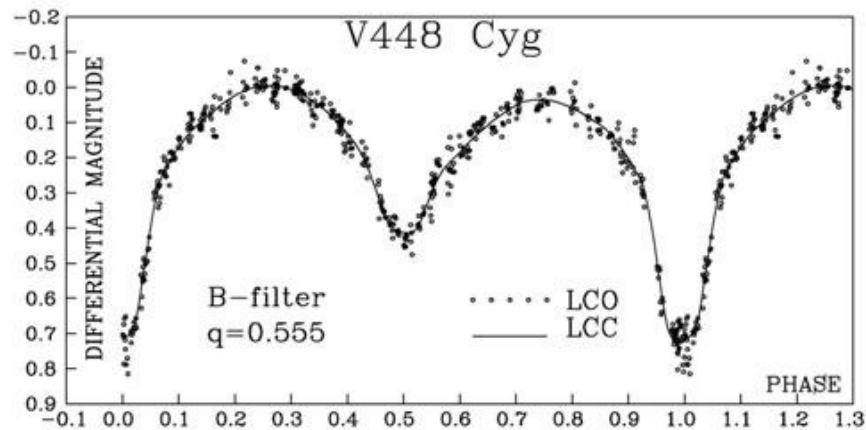
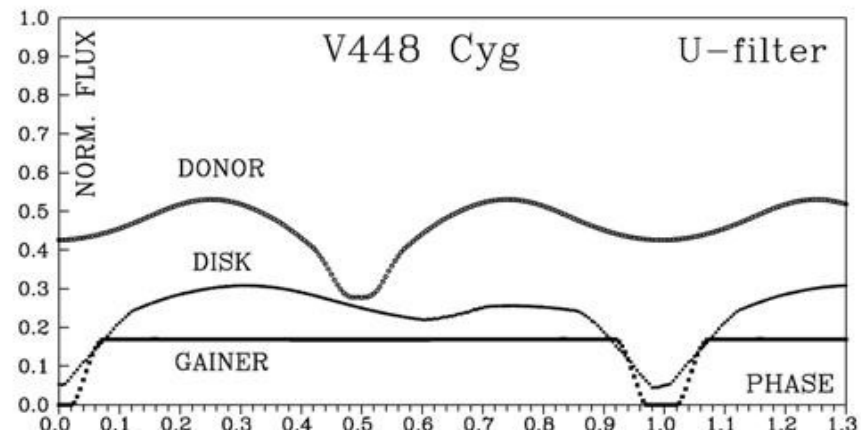
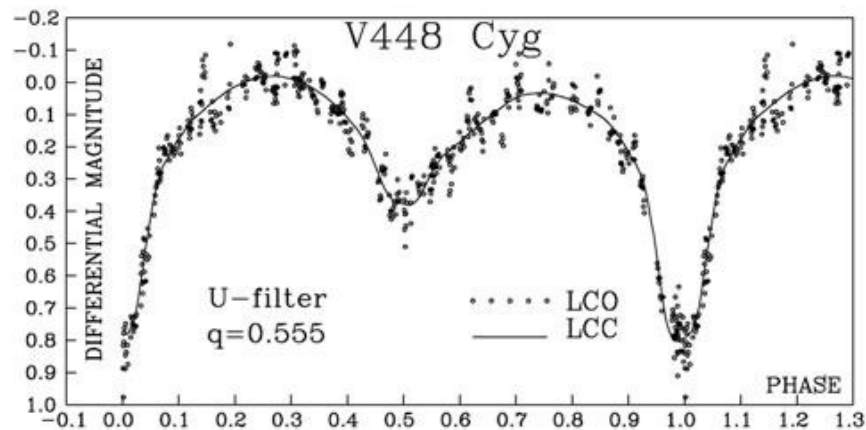


PHASE=0.80

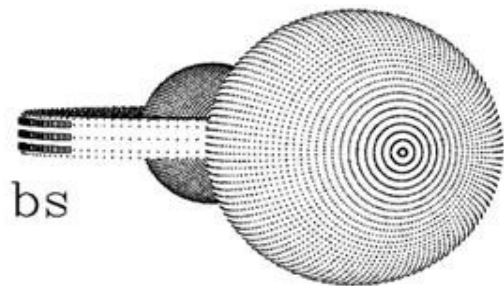






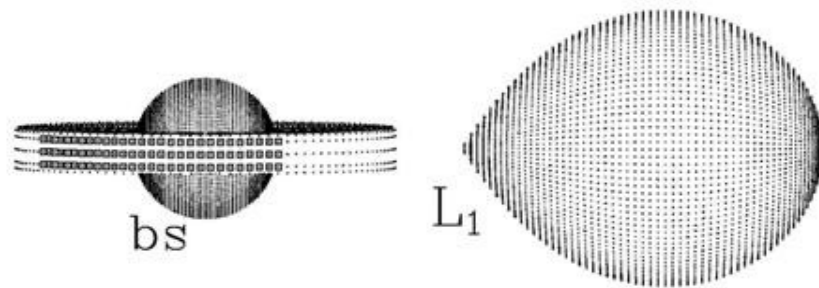


V448 Cyg



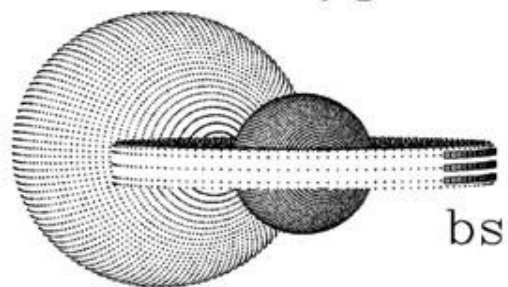
PHASE=0.05

V448 Cyg



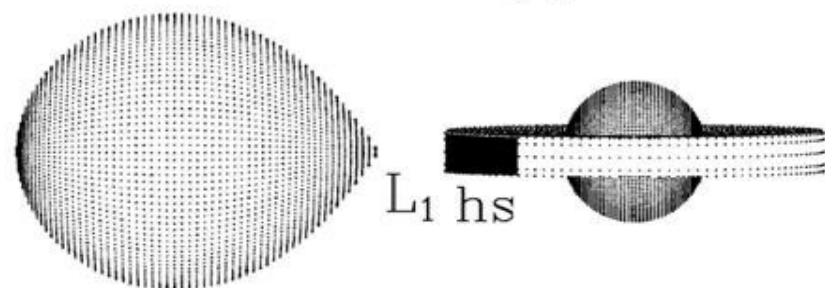
PHASE=0.25

V448 Cyg

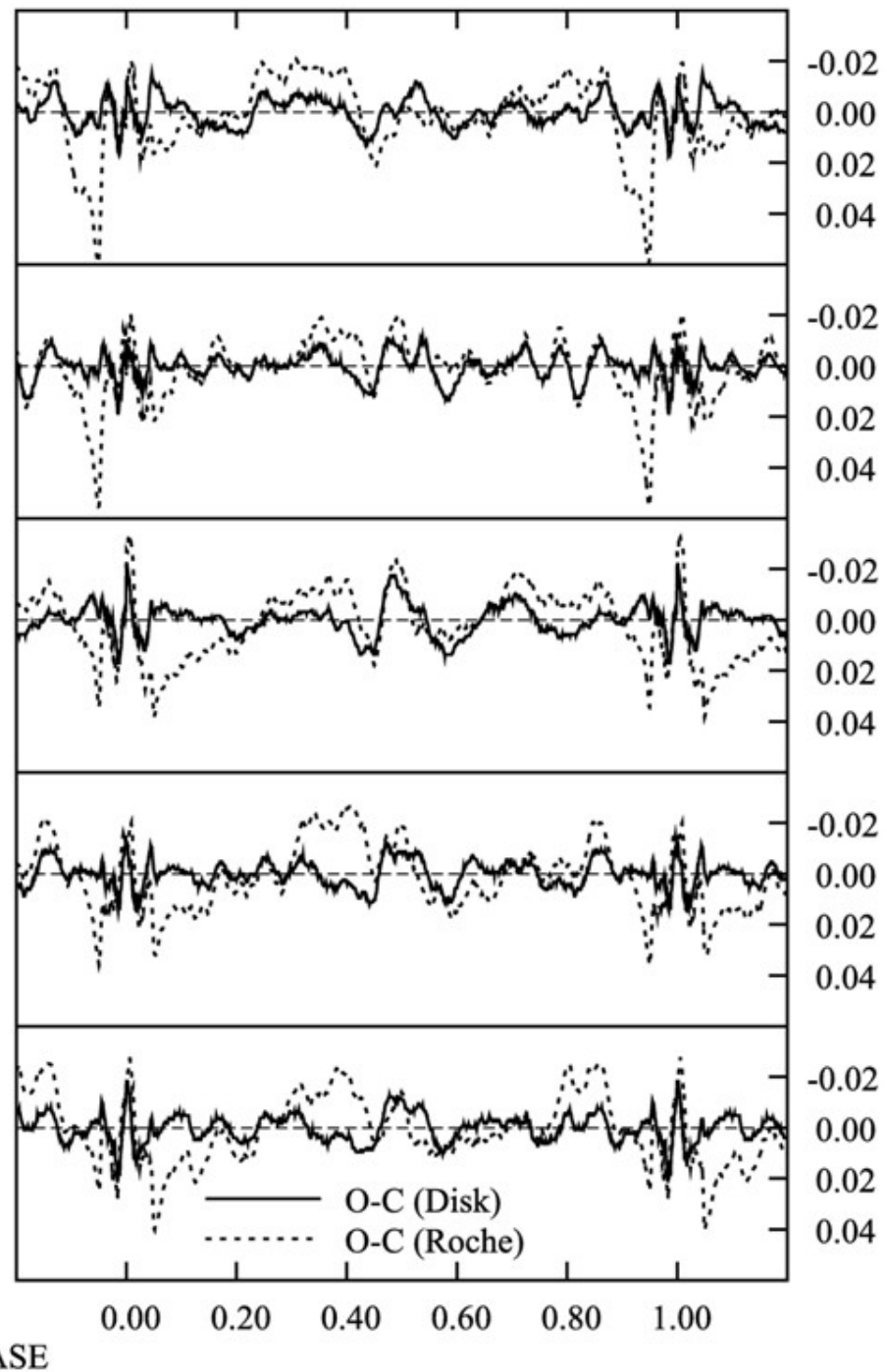
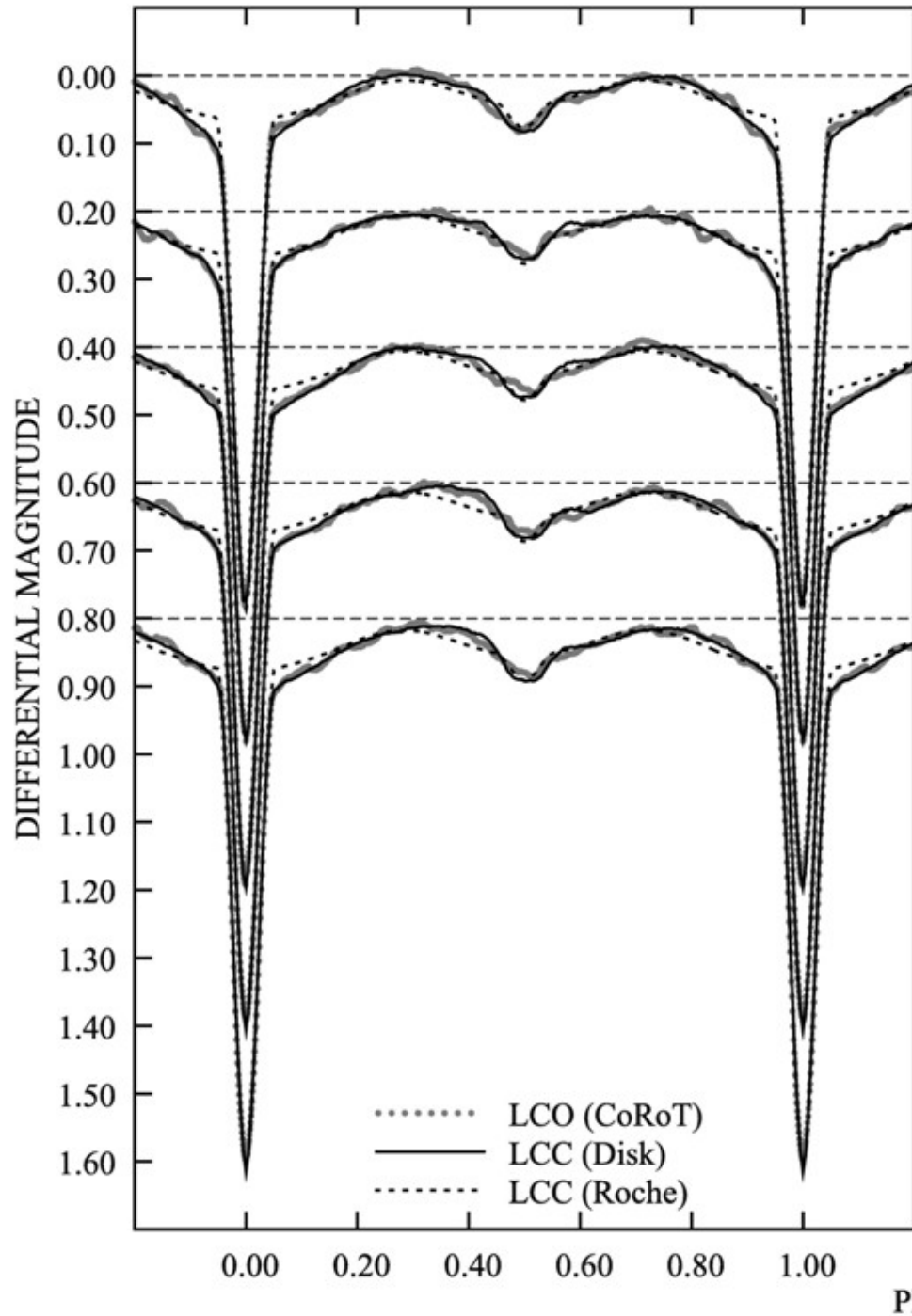


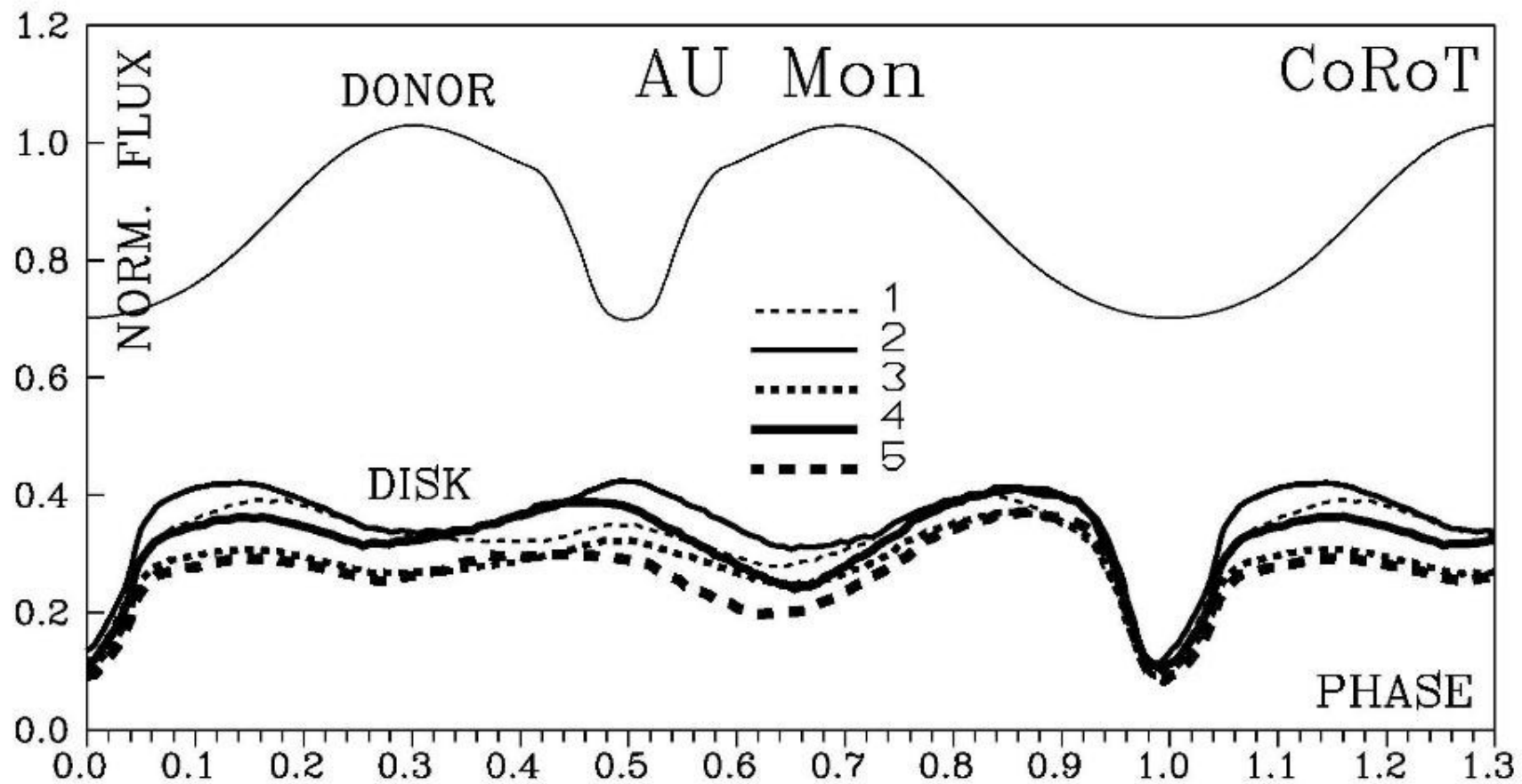
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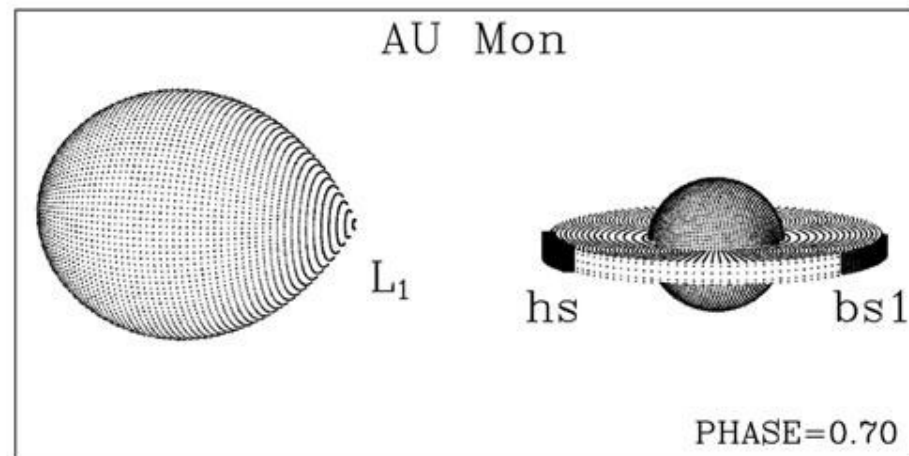
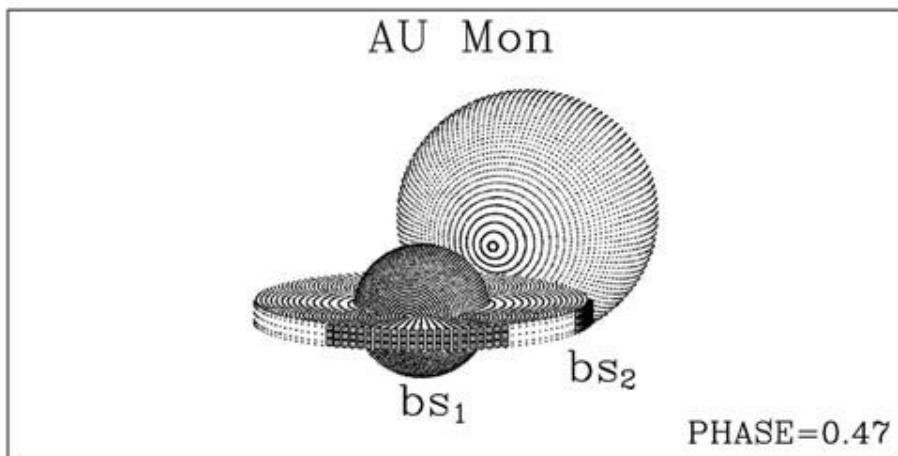
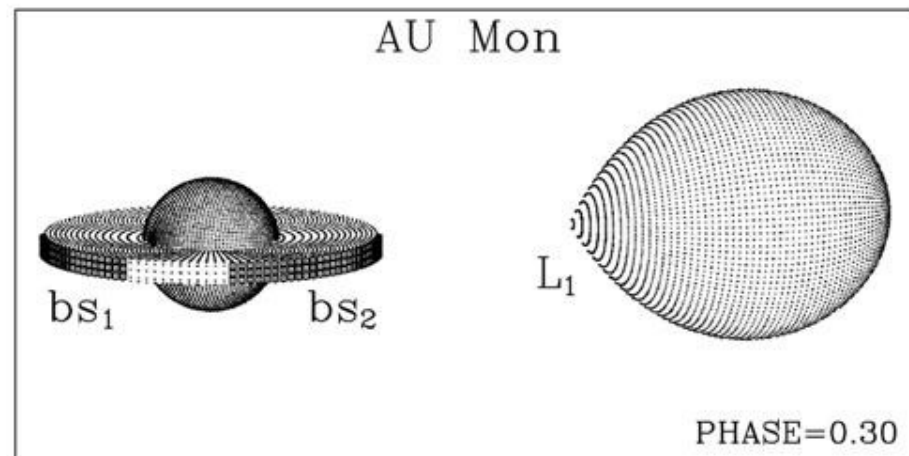
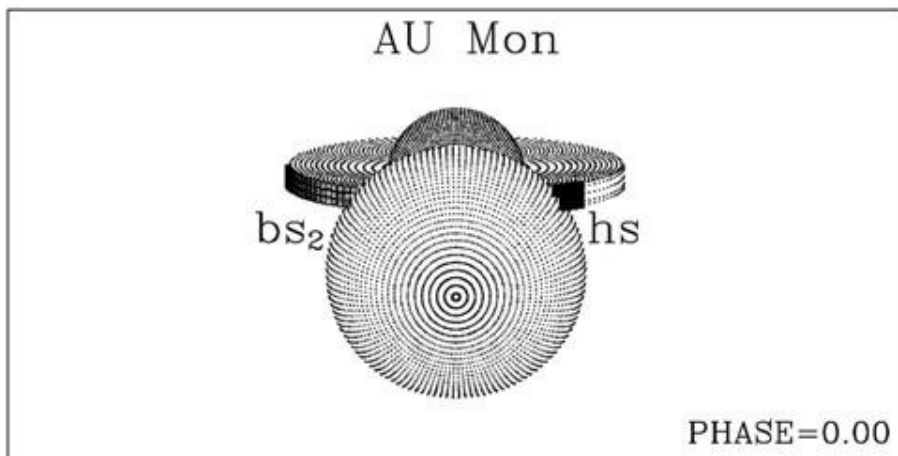
V448 Cyg

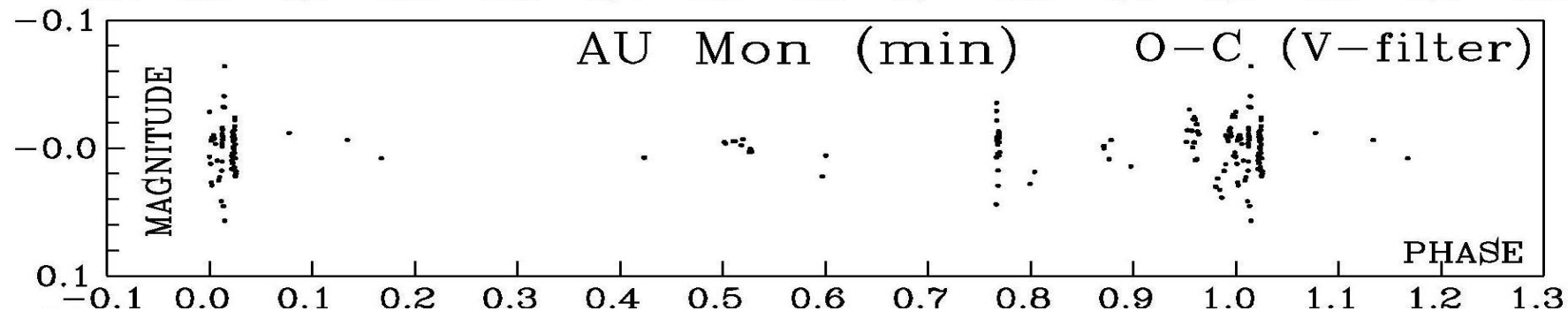
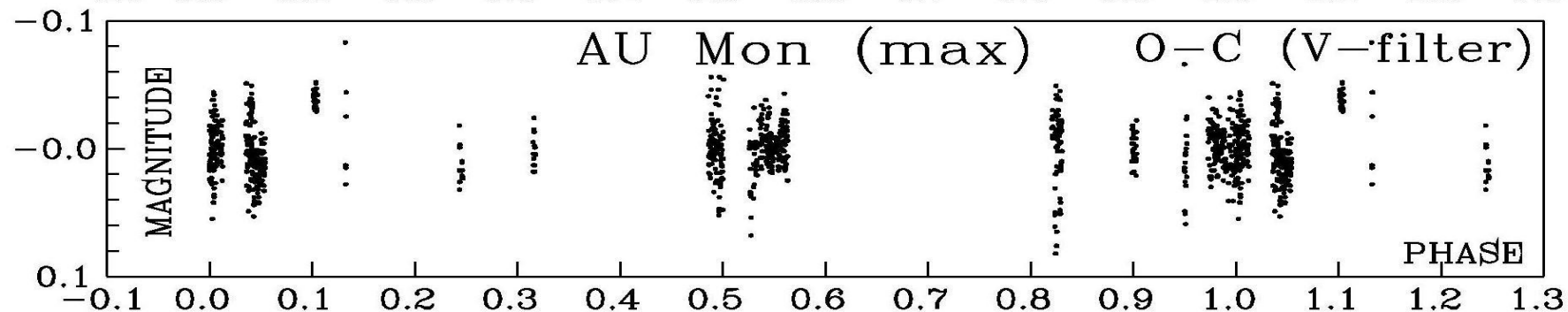
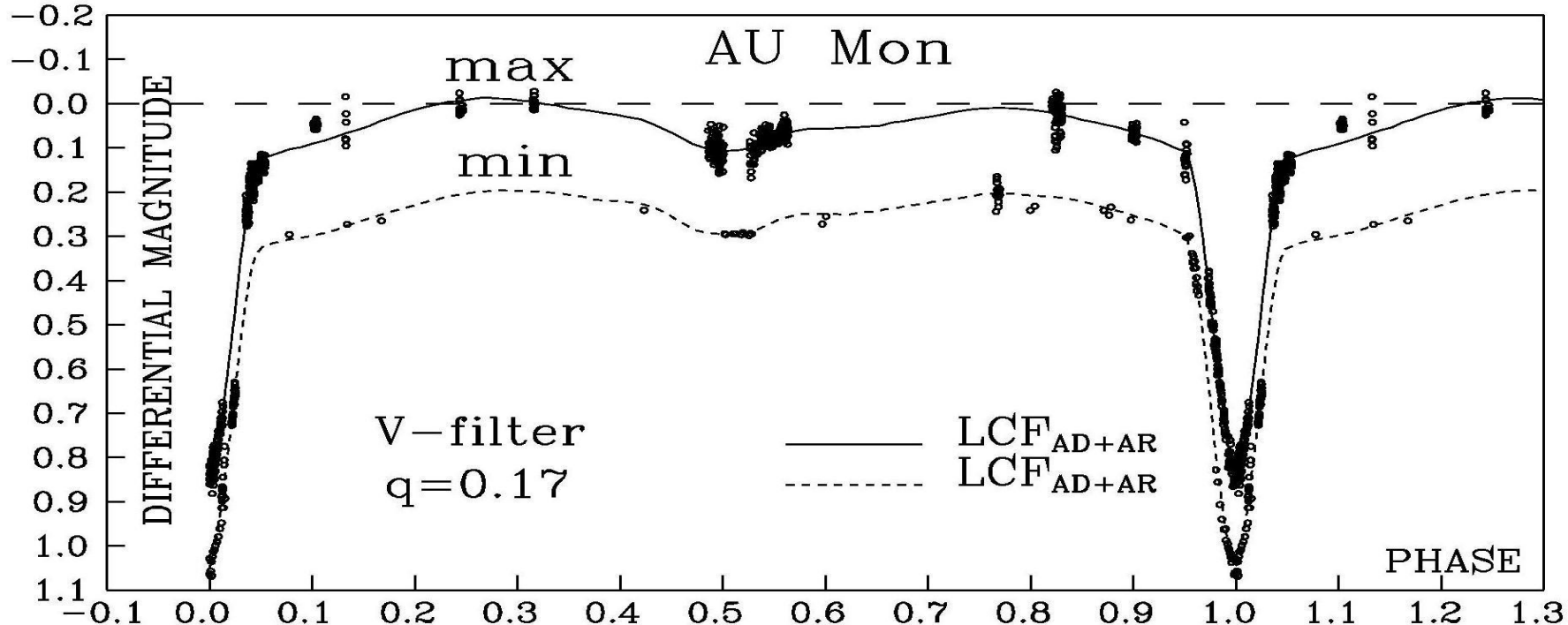


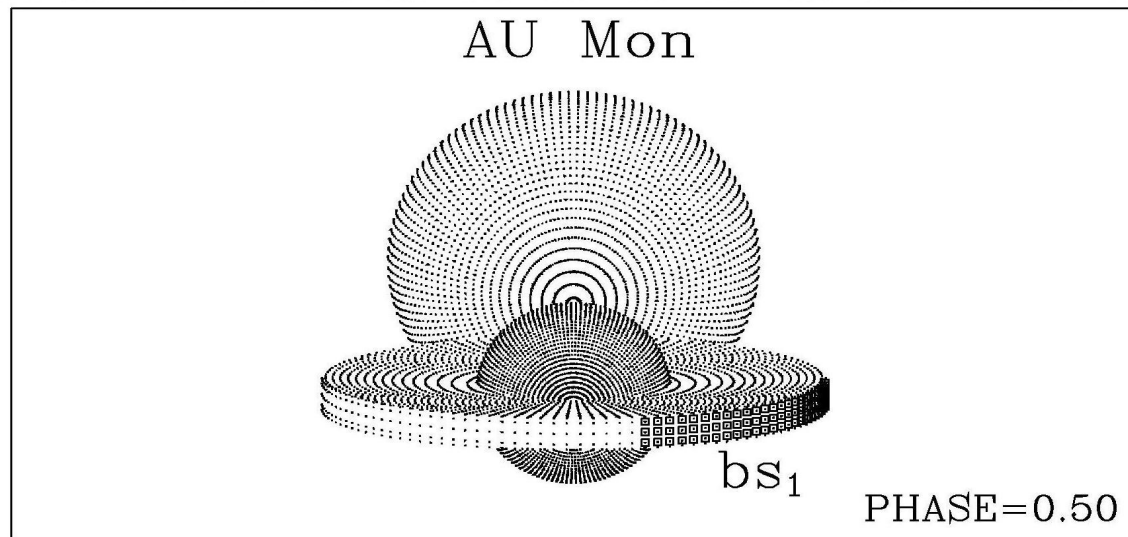
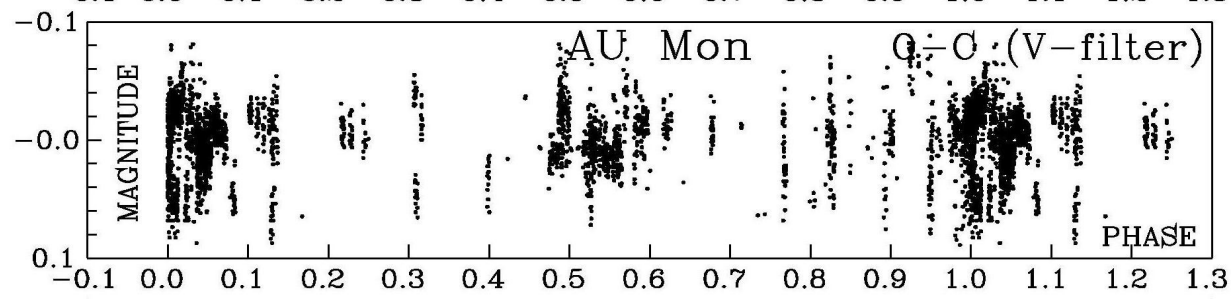
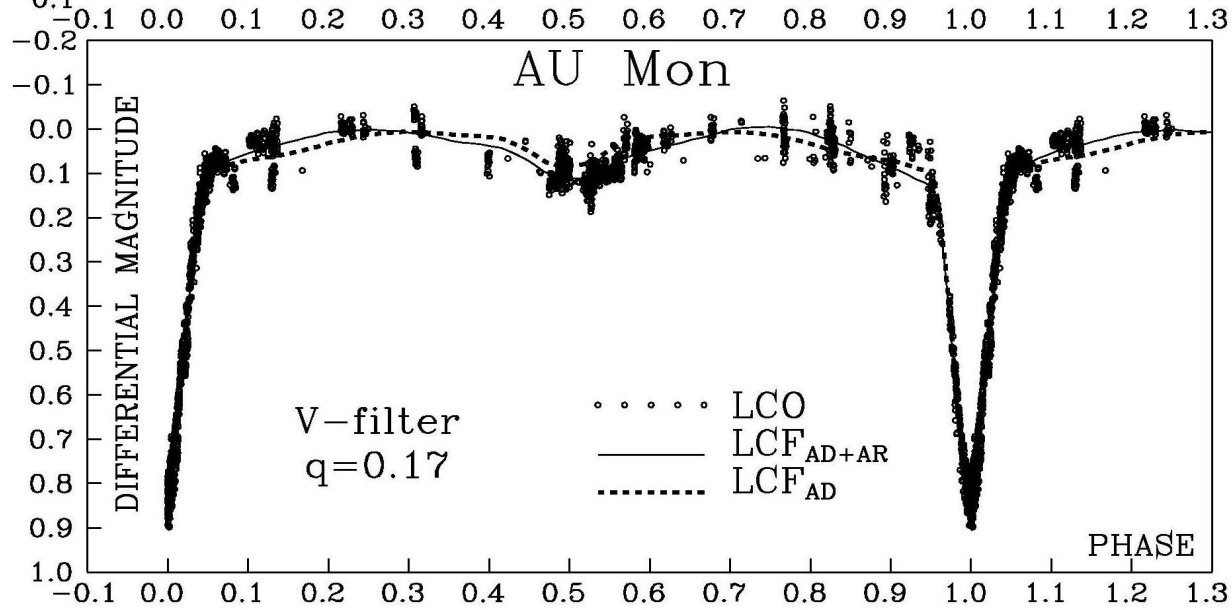
PHASE=0.75





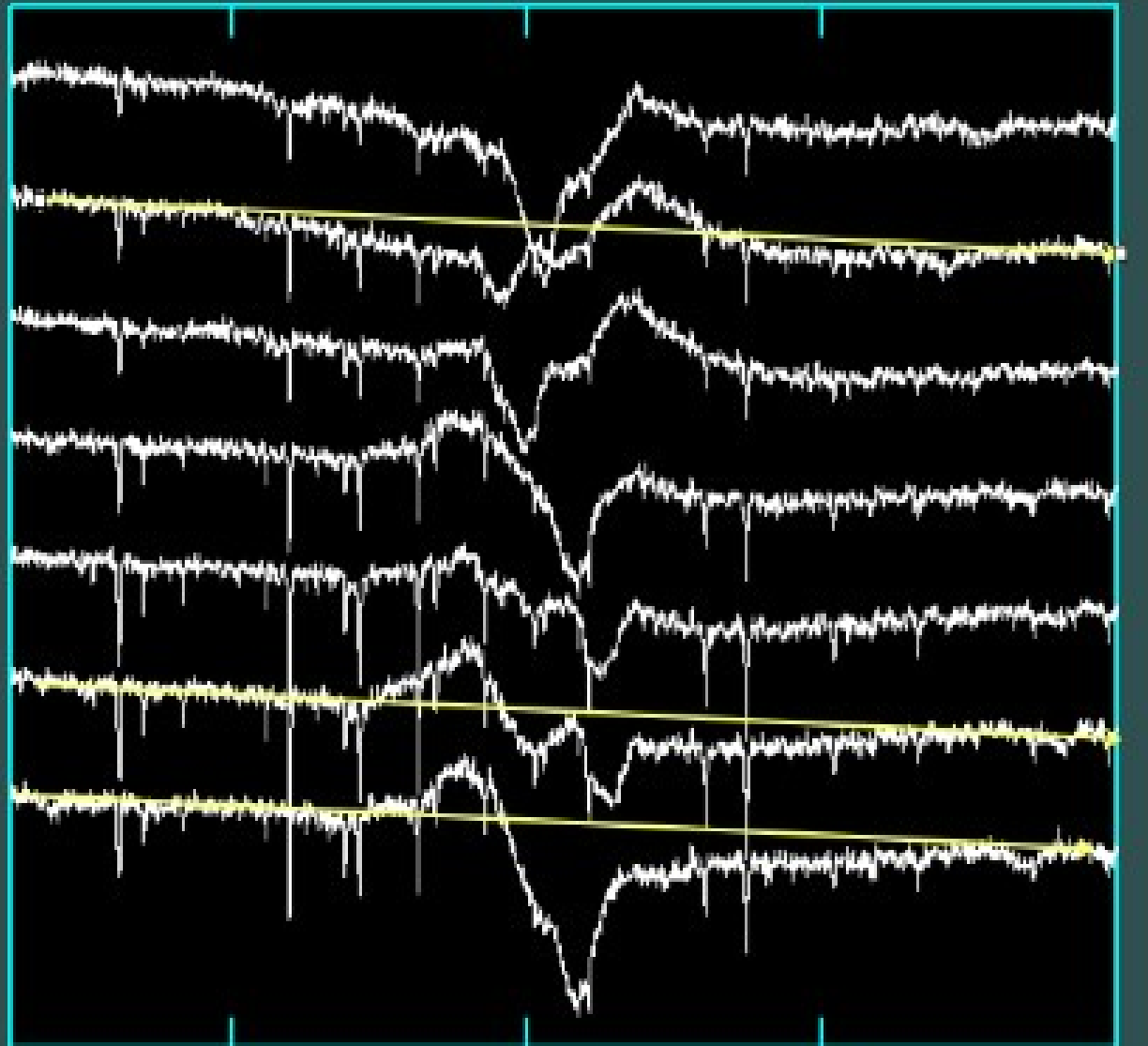








V393 Sco april-2008 UVES data



6540

6560

6580

6600

Wavelength (angstroms)

0.946

0.718

0.522

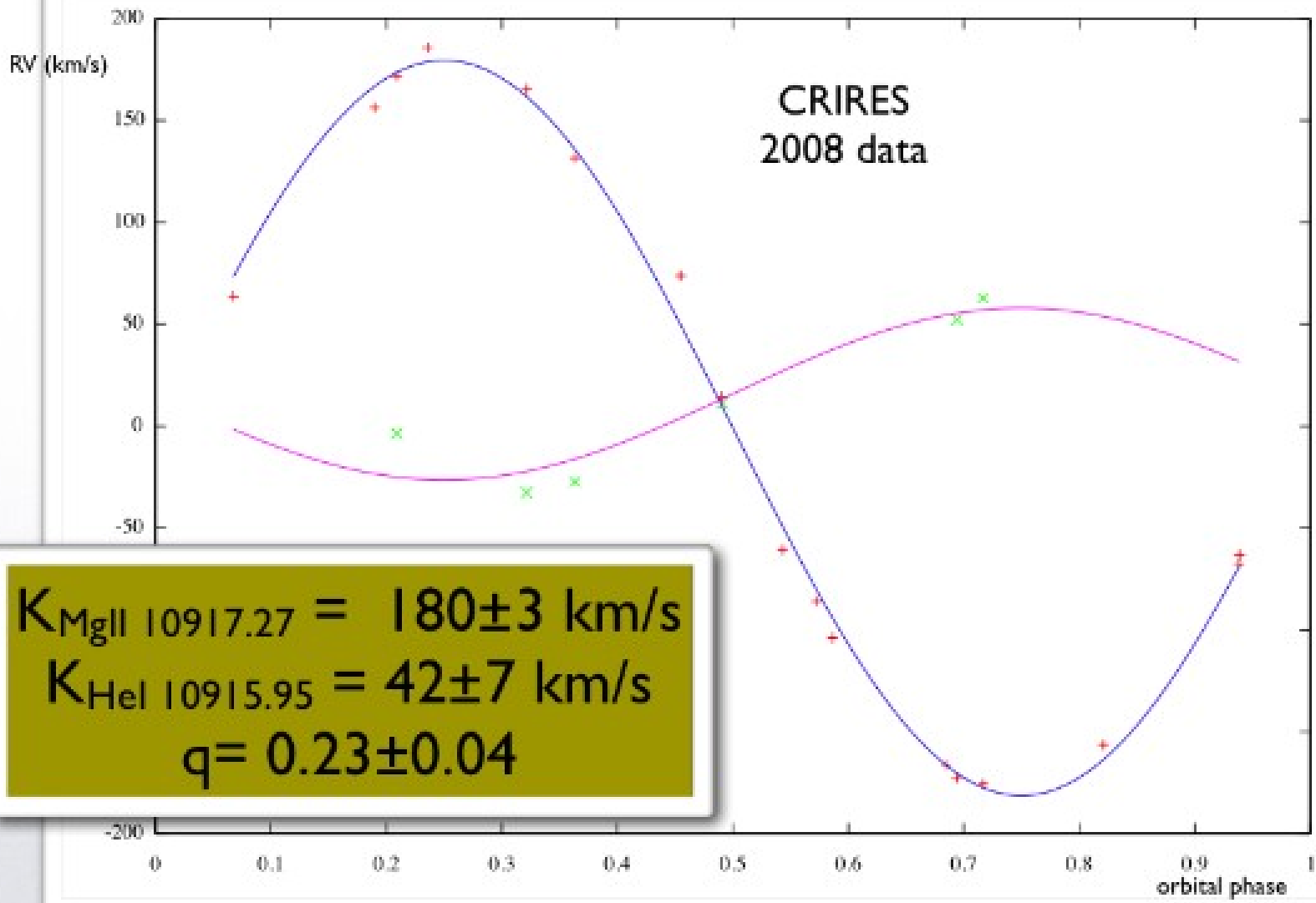
0.386

0.331

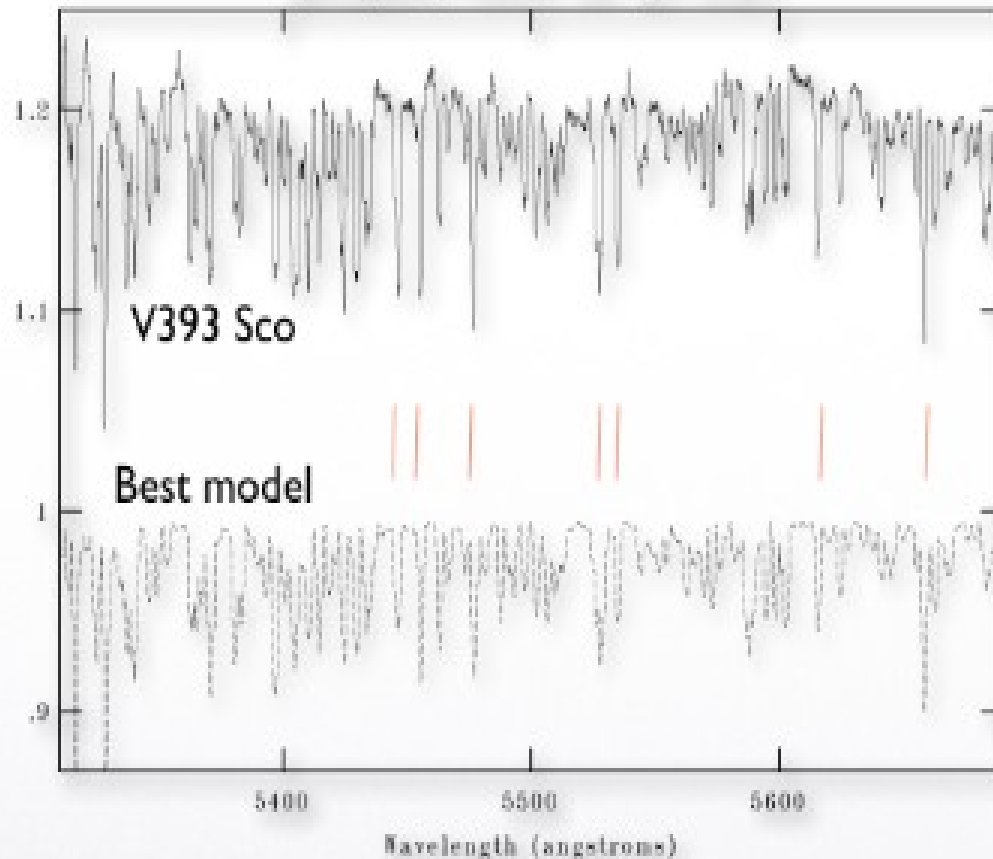
0.199

0.069

orbital phases

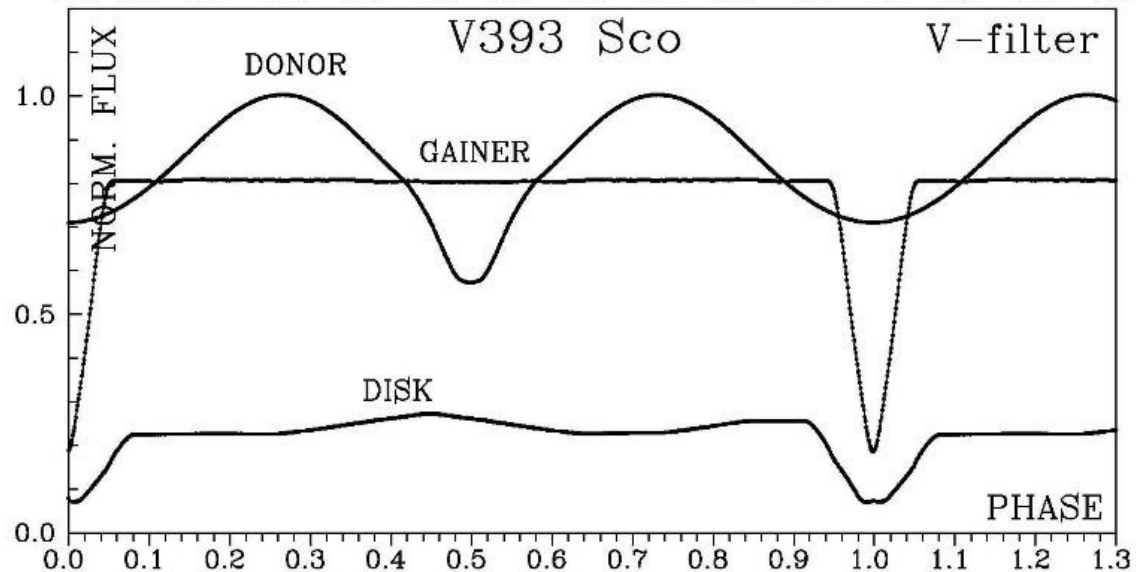
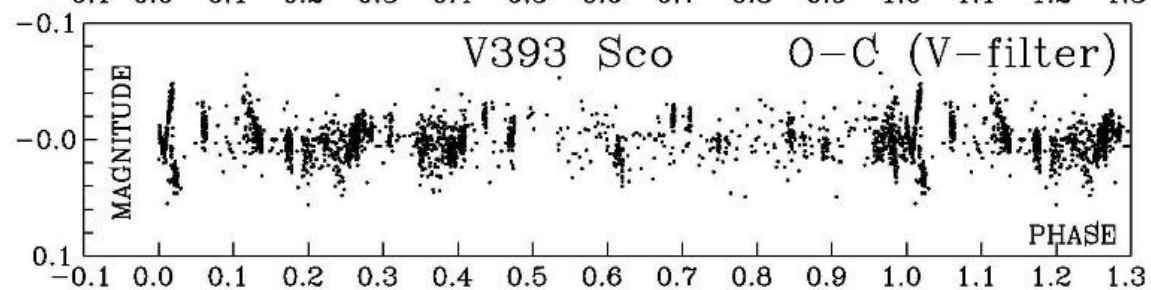
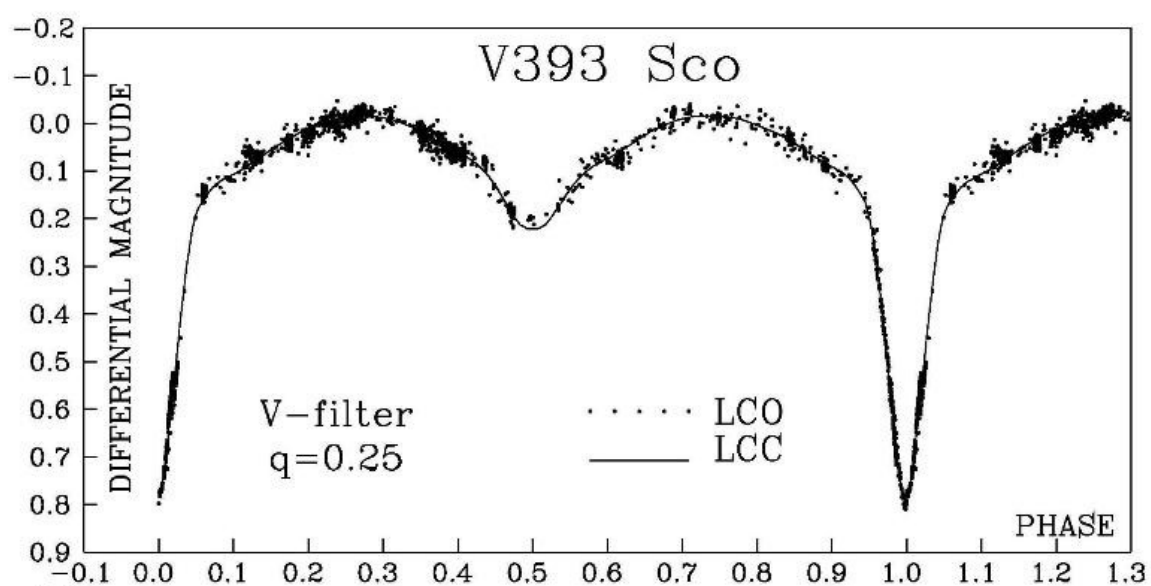


$K_{\text{MgII } 10917.27} = 180 \pm 3 \text{ km/s}$   
 $K_{\text{HeI } 10915.95} = 42 \pm 7 \text{ km/s}$   
 $q = 0.23 \pm 0.04$

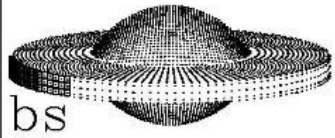


- $\text{Log } g = 3.0 \pm 0.1$
- $T_{\text{eff}} = 7900 \pm 100 \text{ K}$
- $Z \approx \text{solar}$
- $V_{\text{rot}} = 60 \pm 2 \text{ km/s}$

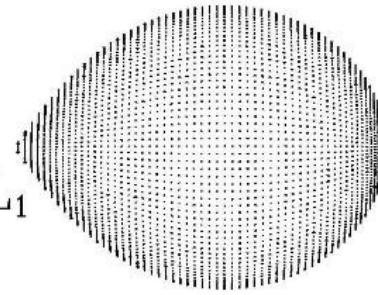
Secondary star spectral modeling at phase 0.0



# V393 Sco



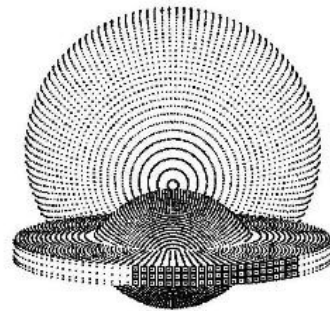
L<sub>1</sub>



$i=80^{\circ}.0$   
 $q=0.25$

PHASE=0.25

# V393 Sco

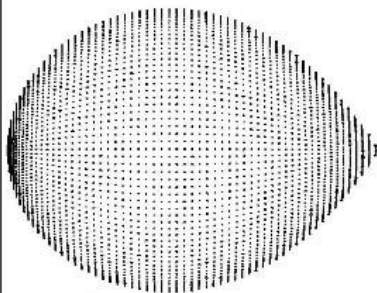


$i=80^{\circ}.0$   
 $q=0.25$

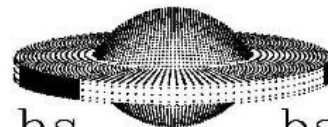
bs

PHASE=0.50

# V393 Sco



L<sub>1</sub>



hs

bs

$i=80^{\circ}.0$   
 $q=0.25$

PHASE=0.75