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# Tidal Effects on Pulsation Modes in Close Binaries

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## Abstract content <br>   (Max 300 words)<br><a href="http://events.saip.org.za/getFile.py/a target="_blank">Formatting &<br>Special chars</a>

Light curve data from the Kepler satellite on pulsating eclipsing Algol-type binary systems display a peculiar feature: the primary shows preferential excitation of putative pulsation modes with frequencies resonant with the orbital frequency of the binary system. A proposed explanation of this phenomenon is tidal driving of pulsations by the secondary. This paper presents a preliminary calculation of the effects of linear representations of tides on the pulsation frequencies of a polytropic primary.


## Apply to be<br> considered for a student <br>   award (Yes / No)?

Yes

## Level for award<br> (Hons, MSc, <br>   PhD)?

MSc

## Main supervisor (name and email)<br>and his / her institution


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## Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?

Yes


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