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Effects of tides on the occurrence of pulsations in components of binary star systems

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Abstract content
 (Max 300 words)

The Kepler satellite, launched in March 2009, has by almost uninterrupted observation produced light curves of unprecedented precision. These newly acquired high quality data offer new opportunities for detailed testing of the hydrodynamic processes that drive stellar evolution. Asteroseismology is one of the most important tools for studying stellar structure - by comparing observed pulsations with the predictions of theoretical models. I report on my theoretical study of the effects that tides generated by the companion star have on pulsations in binary star components.

Apply to be
 considered for a student
 award (Yes / No)?

Yes

Level for award
 (Hons, MSc,
 PhD)?

MSc

Main supervisor (name and email)
and his / her institution

Prof. F.A.M Frescura
fabiofrescura@gmail.com
University of the Witwatersrand

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

No

Primary author: Mr PREDIERI, Massimo (University of the Witwatersrand)

Presenter: Mr PREDIERI, Massimo (University of the Witwatersrand)

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