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Type: **Oral Presentation**

## On the shape of rotating stars.

*Wednesday, 13 July 2011 15:15 (15 minutes)*

I adapt a recent work by Zahn et al. on the shape of rapidly rotating stars to explore the degree of oblateness for uniform, differential and shellular rotation of the star. I also discuss the relation of these results to the classical Roche limit.

**Level (Hons, MSc, <br> &nbsp; PhD, other)?**

other

**Consider for a student <br> &nbsp; award (Yes / No)?**

No

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

Yes

**Primary author:** Mr NICOL, Peter (University of Johannesburg)

**Co-authors:** Dr ENGELBRECHT, Chris (University of Johannesburg); Dr FRESCURA, Fabio (U Witwatersrand)

**Presenter:** Mr NICOL, Peter (University of Johannesburg)

**Session Classification:** APSS

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