## Mass transfer in binary stars



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Representation of a binary system. Taken from: <u>http://</u> <u>www.iflscience.com/sites/www.iflscience.com/files/blog/%5Bnid</u> <u>%5D/209608main\_keckart\_HI.jpg</u>



accreted. Eccentric orbits are observed in the predicted period gap. Taken from Pols. O. Evolution of Low and Intermediate Stars, Ulaanbaatar (2014).





Left: Model by Nowotny, W. et al. (2005) of the velocity profile of the AGB wind. Right: Analytical profile used in our models.

## References

stellar evolution codes.

[1] Nowotny, W. et al. (2005), A&A 437, 285-296
[2] Mohamed & Podsiadlowski (2007). Baltic Astronomy, Vol. 16, p.26-33
[3] Portegies Zwart, S., et al. (2009), New Astronomy, Vol. 14, Issue 4, 369-378