









## **Tides Overview**

- Tides synchronise, then circularise
- Rate  $\sim (R/a)^{6,8}$
- Close binaries should be sync. and circular
- Assuming  $\Omega=\omega \ \ {\rm and} \ \ e=0$  we continue our analysis by moving to close, circular binaries and interaction by exchange of angular momentum and mass
- Some assumptions problem is tractable
  Binary Stars 3































