

3D Models of Stellar Interactions

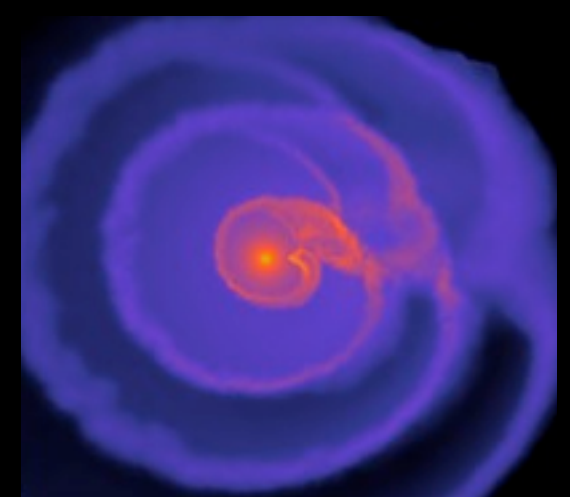
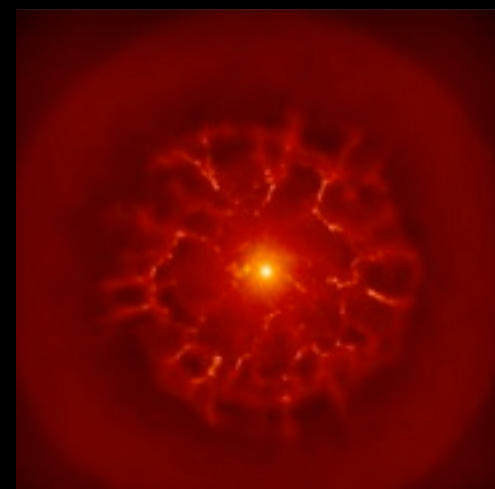
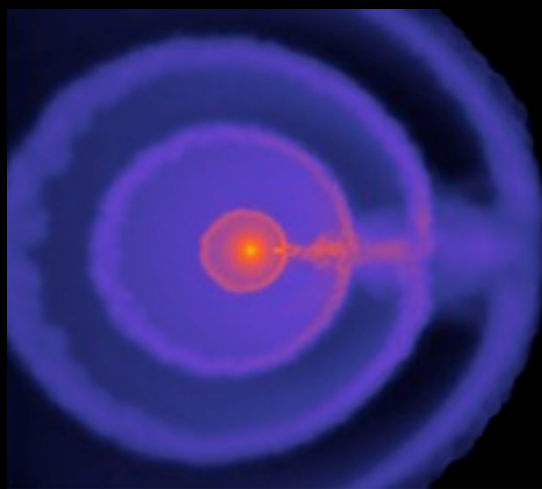
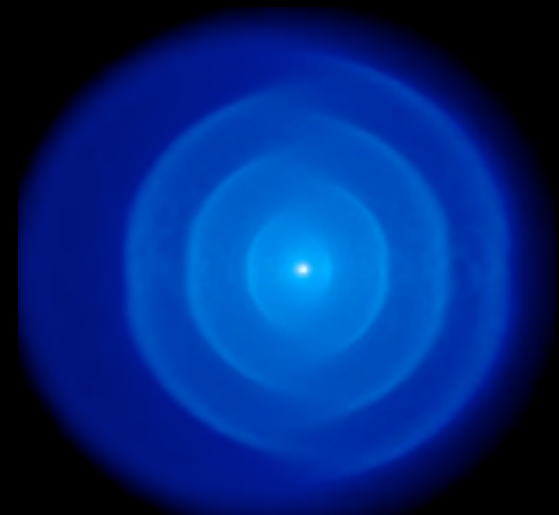
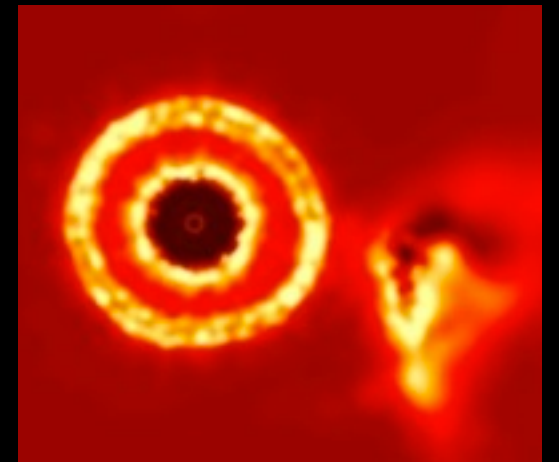
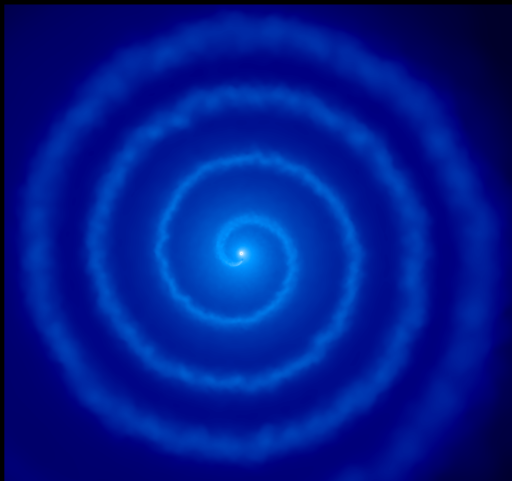
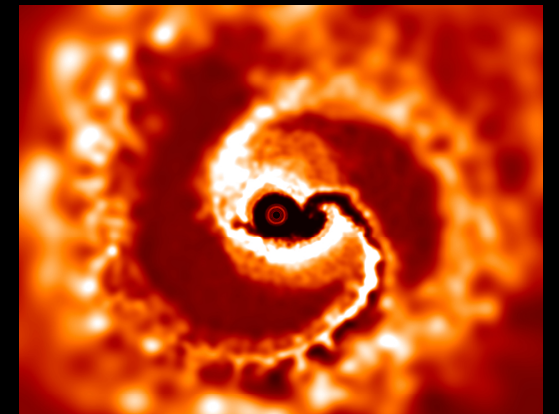
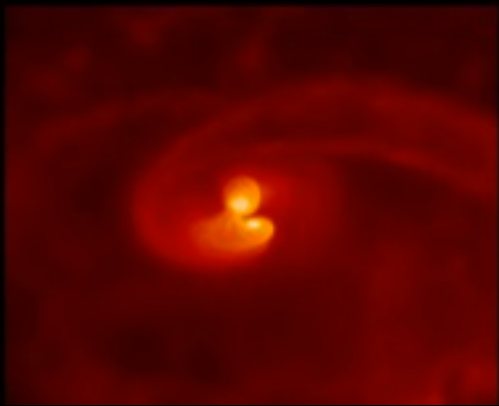
Shazrene Mohamed

South African Astronomical Observatory (SAAO)

Ph. Podsiadlowski (Oxford), R. Booth (Oxford), M. Maercker (AlfA), S. Ramstedt (Uppsala), W. Vlemmings (Chalmers), T. Harries (Exeter), J. Mackey (AlfA), N. Langer (AlfA) and R. Corradi (IAC).

Stellar wind interactions

- wind-ISM interactions
- wind-wind interactions
- binary wind interactions



Summary

- Wind interactions can produce a wide range of envelope morphologies
 - spirals
 - arcs
 - shells
 - equatorial outflows
- WRLOF: focusing can explain density enhancement needed for bi-polars, e.g. M2-9
- Mass transfer rates are higher than BHL wind accretion (cf. powering jets)

