

# NEUTRON STARS NUMERICAL RELATIVITY

- Dynamics of formation & stability
- Effects of different matter theories (“Equations of state”)
- Outcomes of binary neutron star mergers, neutron star - black hole mergers

# SUPERNOVAE NUMERICAL RELATIVITY

- Extreme compactness requires GR effects
- Full GR still very difficult
- Custom approximations often developed
- Important to many fields in astronomy



NASA/ESA/CSA JWST, SN 1987A Remnant