

EXOTIC OBJECTS NUMERICAL RELATIVITY

- Ultra-light bosons / dark matter
- Testing modifications to general relativity
- Black hole mimickers

Adapted from Richards, et. al. 2015

NUMERICAL RELATIVITY: EARLY YEARS

- 1964: First GR simulation
- 70's 80's: Early successes for gasses + spacetime, with symmetry imposed
- Sharing of codes is uncommon:
 - Extremely difficult to develop, makes codes extremely valuable
 - Researchers closely guard the unique codes they've invested years in