OVERVIEW

- Motivation

  - Numerical relativity basics & history

  - Grid-based PDE & CFD solution techniques

- Cactus: modular framework for grid-based HPC codes

  - Cactus design

- Einstein toolkit

  - Getting started

  - Thorns

  - Other software

  - The future/present (CarpetX)

Numerical Relativity:
"Solving Einstein's Equations on computers"