

## Hands-on session on the Engrenage code.

*mardi 8 octobre 2024 15:50 (1h 30m)*

Engrenage is a spherically symmetric BSSN code designed for teaching Numerical Relativity (NR), which is the solution of the Einstein Equations of General Relativity (GR) using numerical methods. The code includes a scalar field (obeying the Klein Gordon equation for a minimally coupled spin 0 field) as the matter source of the metric curvature. It currently includes two physical examples - a black hole and a real scalar boson star (or oscillaton).

**Auteur principal:** CLOUGH, Katy

**Orateur:** CLOUGH, Katy

**Classification de Session:** Engrenage