We have set an online repository in this link, where you can access the material from the mini-courses.

Also, please find the following instructions for the Numerical Relativity mini-course by Helvi Witek.

In the first session, we will work with mathematica and the free xAct/xTensor package.

To prepare for it, please
- install mathematica
- download the xAct package here: xAct.es
- follow the instructions on xAct.es to install the package.
- download the notebook
"GRSplit_HelviWitek_IGravitasSchool_Salinopolis_Dec2024.nb"

In the second hands-on session we will analyze numerical relativity data of a black-hole merger, using a jupyter notebook.
To prepare for this session, please download and install jupyter on your computer, following the instructions here:

Please check that you can run the jupyter notebook in your browser. If you have problems, please try a different browser, e.g., firefox or chrome.

- download the folder "Data" from the git repository. It should contain two subfolders
"SF_BBH_Y11_mu04_q1_d6" for a binary black hole simulation
"SF_massless_Y11_BHspin099" for a massless scalar file evolving around a spinning black hole.

- I will prepare a jupyter notebook that we will use to analyze the data, and share with your tomorrow.