Contribution ID: **16**   Type: **not specified**

General relativity computations with SageManifolds

Tuesday 6 September 2016 16:30 (2 hours)

SageManifolds [1] is an extension of the Python-based modern computer algebra system SageMath [2] towards differential geometry and tensor calculus. We shall use it to perform computations and draw figures regarding neutron star and black hole spacetimes. The School participants are encouraged to install the free software SageMath on their computer prior to the school or to open a free account on the SageMathCloud [3] in order to run SageMath remotely.

[1] http://sagemanifolds.obspm.fr/
[2] http://www.sagemath.org/
[3] http://cloud.sagemath.com/

Summary

Presenter: GOURGOULHON, E. (Observatoire de Paris)