

Porting and testing the Einstein Toolkit on the the generation of low-power architectures.

Friday, 26 February 2016 10:00 (25 minutes)

Low-Power architectures are subject of much interest also as viable alternatives to traditional HPC platform. In this talk we will focus on the performance that can now be obtained porting a large simulation toolkit (The EinsteinToolkit), widely used in Numerical Astrophysics to simulated matter coupled to the Einstein's equations, to Low Power Architectures. We considered multi-cores / multi node cluster based on ARM and Intel low power processors and we compared results with a traditional HPC cluster, the Galileo system at CINECA. The work has been performed using the resources actually available for the INFN-COSA project.

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