Numerics with PDEs: Mathematics meets Computational Astrophysics

Report of Contributions

GRMHD simulations with GR-...

Contribution ID: 3

Type: not specified

GRMHD simulations with GR-Athena++

Thursday, 28 March 2024 10:30 (30 minutes)

Presenter: COOK, William **Session Classification:** Talks

On split form nodal discontinuous...

Contribution ID: 13

Type: not specified

On split form nodal discontinuous Galerkin methods to solve systems of conservations laws

Thursday, 28 March 2024 10:00 (30 minutes)

Presenter: SCHNÜCKE, Gero **Session Classification:** Talks

Spectrally-tuned compact finite- ...

Contribution ID: 14

Type: not specified

Spectrally-tuned compact finite-difference schemes with domain decomposition and applications to numerical relativity

Thursday, 28 March 2024 09:30 (30 minutes)

Presenter: DASZUTA, Boris **Session Classification:** Talks

Positivity preservation on the cont ...

Contribution ID: 15

Type: not specified

Positivity preservation on the context of finite elements

Thursday, 28 March 2024 12:00 (30 minutes)

Presenter: PERVOLIANAKIS, Christos **Session Classification:** Talks

High order methods in Numerical ...

Contribution ID: 16

Type: not specified

High order methods in Numerical Relativity -Challenges and successes

Thursday, 28 March 2024 11:30 (30 minutes)

Presenter: ATTENEDER, Florian **Session Classification:** Talks

Numerics with P $\dots \ /$ Report of Contributions

Elliptic Equations

Contribution ID: 17

Type: not specified

Elliptic Equations

Thursday, 28 March 2024 14:30 (30 minutes)

Presenter: BRUEGMANN, Bernd **Session Classification:** Discussion