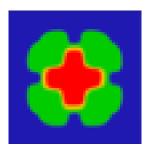
Sixth deal.II Users and Developers Workshop



Contribution ID: 18 Type: Contributed talks

Deal.II in cosmic ray propagation

Monday, July 23, 2018 11:40 AM (20 minutes)

Cosmic ray propagation in fluid approach can be described as a PDE system, which lives in 6D spatial-spectral space.

In our project, we attempt to build up a solver for such a system,

by combining independent triangulation in two domains (spatial and spectral).

In this talk, I will present why and how we build this framework with Kronecker product.

Primary authors: Dr SARTORI, Alberto (SISSA); WANG, Jiaxin (SISSA); Prof. HELTAI, Luca (SISSA); Prof.

ULLIO, Piero (Astroparticle Physics Group, SISSA)

Presenter: WANG, Jiaxin (SISSA)

Session Classification: Contributed talks

Track Classification: Users' track