TuxRiders

A YouTube Project to Share Research Experiences using Open-Source Scientific Computing Programs

Background

- Almost everyone knows the benefits of computer simulations in science and engineering.
- But what are the available options for doing simulations? Commercial software programs?
- What if you want to have more out of it? Freedom in controlling the details, implementing new models, having unlimited possibilities in modifying existing codes/models, etc.
- This is where open-source scientific computing comes into play.
- It looks complex/mysterious? Let us show you how to do that.

What is TuxRiders all about?

- TuxRiders aims to demonstrate the power of open-source scientific computing for real-world scientific research.
- This will be achieved by various video series featuring different aspects of validated research projects (works we have done at KU Leuven) in the field of computational science.
- TuxRiders is intended to show you how to implement your ideas using the freedom brought by open-source tools.
- You may be already familiar with some of these great tools like ParaView, OpenFOAM, SALOME, Gmsh, FEniCS, FreeCAD, …

Interested to contribute?

- Open-source has been a world-changing idea thanks to communities of people devoting their time to make it go on.
- TuxRiders is a small open-source community, formed of researchers using open-source tools in their work.
- Are you interested to join us? You can contribute in any way you like, for example by:
  - ✓ creating content for us
  - ✓ helping us spread the message
  - ✓ sharing your ideas for new content
  - ✓ telling us your opinion about our published content and future plans
  - ✓ …

I ♥ OPEN SOURCE

Start exploring TuxRiders!

Scan to explore the TuxRiders channel

Scan to watch the introductory video

Scan to read more on TuxRiders website