Julia HPC Workshop

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Roadmap

- **Onboarding**
  - NERSC overview
  - Julia + VS Code on Perlmutter

- **Introducing the example**
  - 2D linear diffusion solver

- **Parallelization on Perlmutter**
  - Multithreading

  (short break)

  - Distributed computing
  - GPU acceleration

NERSC account

(Hopefully, you already have one…)

If not, you may try your luck:

- **https://iris.nersc.gov/train**
- Training code: **enxl**

Feel free to use the account throughout JuliaCon!

Workshop materials

https://github.com/JuliaHPC/juliacon24-hpcworkshop