Eurohack 2018:
Team A-QuICC

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Goal for the Eurohack

Complete 1 full path: physical $\longrightarrow$ spectral $\longrightarrow$ physical

For 3D transforms of Fourier, Chebyshev, Legendre and Worland polynomials using GPUs

Mini-app: a set of transforms for the scalars and gradients for a spherical case

Current status

We have ported the Fourier, Chebyshev and Legendre transforms

Working on optimizing and adding operators