



ID de Contribution: 226

Type: Non spécifié

FURAX - the JAX powered framework for cosmological analysis

FURAX is a python framework created to utilize the functionality of JAX in modern cosmological analysis with its ever increasing complexity and resource requirements. In particular, the ability to run on GPU clusters, hardware acceleration, Just-In-Time compilation, and automatic differentiation. This framework has already found its application in MEGATOP, a component-separation pipeline for Simons Observatory. We expand its functionality and applications by providing optimized, modular, and easy-to-use interface in an open-source environment.

Auteur: BASYROV, Artem (APC, CNRS)

Orateur: BASYROV, Artem (APC, CNRS)

Classification de Session: Cosmology