

REPACKAGING JET SUBSTRUCTURE OBSERVABLE TOOLS

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THE TOOLS

Wasserstein



A C++ LIBRARY WITH SWIG PYTHON BINDINGS USED TO CALCULATE WASSERSTEIN DISTANCES. EnergyFlow A MUCH LARGER, PURE-PYTHON LIBRARY WITH MULTIPLE ANALYSIS AND VISUALIZATION TOOLS TARGETING JET SUBSTRUCTURE.

image from https://energyflow.network/

wasserstein distance a distance metric used to evaluate probability distributions https://arxiv.org/abs/1902.02346



THE PROJECT REPACKAGING huild-wheels.vm THE CI/CD FOR BOTH PROJECTS NEEDS Iinux-test MAINTENANCE. macos-test mindows-test 8 linux-build Scikit-build-core macos-build windows-build

CI/CD continuous integration/continuous distribution



THE BUGS

Windows

- worked to start
- patched with windows-2019
- windows-latest works again

MacOS

- macos-latest == macos-14
- Apple Clang

parallel computing breaks tasks into "threads" that can be ran independently and simultaneously

OpenMP

- installation









Thank you!





Back-up slides



parallel computing breaks tasks into "threads" that can be ran independently and simultaneously





https://energyflow.network/docs/emd/