
Tike Documentation

Release 0.2.0

Argonne National Laboratory

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Tike is a toolbox for tomographic reconstruction of 3D objects from ptychography data.

The aim of Tike is to provide fast and accurate implementations of a wide variety of reconstruction algorithms, and to provide a common platform for the synchrotron research community.

CHAPTER 1

Features

- Simulation of scanning geometries
- 3D object reconstruction from ptychography data
- Algorithms for imaging thick objects

CHAPTER 2

License

The software is licensed under the BSD-3 license.

3.1 API reference

This section contains the API reference.

Tike Modules:

3.1.1 scan

3.1.2 tomo

3.1.3 view

CHAPTER 4

Indices and tables

- `genindex`
- `modindex`
- `search`