Resource Summary Report

Generated by NIF on May 10, 2025

FFTW

RRID:SCR_016554
Type: Tool

Proper Citation

FFTW (RRID:SCR_016554)

Resource Information

URL: http://www.fftw.org/

Proper Citation: FFTW (RRID:SCR_016554)

Description: Software as a C subroutine library for computing the discrete Fourier transform (DFT) in one or more dimensions, of arbitrary input size, and of both real and complex data (as well as of even/odd data, i.e. the discrete cosine/sine transforms or DCT/DST).

Abbreviations: FFTW

Synonyms: Fastest Fourier Transform in the West

Resource Type: software toolkit, software library, software resource

Defining Citation: DOI:10.1109/JPROC.2004.840301

Keywords: library, collection, fast, C routine, compute, discrete, Fourier, transform

Funding:

Availability: Free, Available for download, Freely available

Resource Name: FFTW

Resource ID: SCR_016554

License: GNU General Public License

Record Creation Time: 20220129T080331+0000

Record Last Update: 20250508T065711+0000

Ratings and Alerts

No rating or validation information has been found for FFTW.

No alerts have been found for FFTW.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Fu X, et al. (2024) A modified phase-retrieval algorithm to facilitate automatic de novo macromolecular structure determination in single-wavelength anomalous diffraction. IUCrJ, 11(Pt 4), 587.

Africa PC, et al. (2023) lifex-ep: a robust and efficient software for cardiac electrophysiology simulations. BMC bioinformatics, 24(1), 389.

Mooshagian E, et al. (2021) Local field potentials in the parietal reach region reveal mechanisms of bimanual coordination. Nature communications, 12(1), 2514.

Dikker S, et al. (2021) Crowdsourcing neuroscience: Inter-brain coupling during face-to-face interactions outside the laboratory. NeuroImage, 227, 117436.

Peng B, et al. (2019) Accelerating 3-D GPU-based Motion Tracking for Ultrasound Strain Elastography Using Sum-Tables: Analysis and Initial Results. Applied sciences (Basel, Switzerland), 9(10).

Žuži M, et al. (2018) Impact of Dehazing on Underwater Marker Detection for Augmented Reality. Frontiers in robotics and AI, 5, 92.

Makra P, et al. (2018) Spectral and Multifractal Signature of Cortical Spreading Depolarisation in Aged Rats. Frontiers in physiology, 9, 1512.

Bobin M, et al. (2018) Design and Study of a Smart Cup for Monitoring the Arm and Hand Activity of Stroke Patients. IEEE journal of translational engineering in health and medicine, 6, 2100812.

Lynch-Aird N, et al. (2018) Comparison of Mechanical Properties of Natural Gut and Synthetic Polymer Harp Strings. Materials (Basel, Switzerland), 11(11).

Lynch-Aird N, et al. (2017) Mechanical Properties of Nylon Harp Strings. Materials (Basel,

Switzerland), 10(5).

Maree JP, et al. (2017) Well-positioned nucleosomes punctuate polycistronic pol II transcription units and flank silent VSG gene arrays in Trypanosoma brucei. Epigenetics & chromatin, 10, 14.

Hoffman J, et al. (2016) Technical Note: FreeCT_wFBP: A robust, efficient, open-source implementation of weighted filtered backprojection for helical, fan-beam CT. Medical physics, 43(3), 1411.

Seeber BU, et al. (2010) A system to simulate and reproduce audio-visual environments for spatial hearing research. Hearing research, 260(1-2), 1.