Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

NCIGT Fast Imaging Library

RRID:SCR_009609
Type: Tool

Proper Citation

NCIGT Fast Imaging Library (RRID:SCR_009609)

Resource Information

URL:
http://www.ncigt.org/pages/Research_Projects/ImagingCoreToolbox/Imaging_Toolkit

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Description: This software provides algorithms for the reconstruction of raw MR data. In particular, it supports the reconstruction of accelerated data acquisitions where k-space is subsampled and the Fourier domain encoding is complemented by temporal encoding, spatial encoding, or and/or a constrained reconstruction. This library of functions provides a number of reconstruction algorithms that accurately employ advanced MR imaging methods including: UNFOLD; parallel imaging methods such as SENSE and GRAPPA; Homodyne processing of partial-Fourier data, and gradient field inhomogeneity correction (gradwarp); EPI Nyquist Ghost correction and ramp-sampling gridding. The target audience is research groups who may be interested in exploring or employing advanced MR reconstruction techniques, but don't have the necessary expertise in-house. Inquires may be directed to: ncigt-imaging-toolkit -at- bwh.harvard.edu

Abbreviations: Fast Imaging Library

Synonyms: NC-IGT Fast Imaging Library, National Center for Image-Guided Therapy Fast Imaging Library

Resource Type: data processing software, image analysis software, image reconstruction software, software application, software resource, software toolkit

Keywords: algorithm, reusable library, application, c, console (text based), image reconstruction, linux, macos, microsoft, magnetic resonance, posix/unix-like, windows

Availability: NC-ICT Fast Imaging Library Contribution and Software License, Http://www.nitrc.org/include/glossary.php#569

Resource Name: NCIGT Fast Imaging Library

Resource ID: SCR_009609

Alternate IDs: nlx_155822

Alternate URLs: http://www.nitrc.org/projects/igt_fil

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260905T132635+0000

Ratings and Alerts

No rating or validation information has been found for NCIGT Fast Imaging Library.

No alerts have been found for NCIGT Fast Imaging Library.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.