Resource Summary Report

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Berkeley Advanced Reconstruction Toolbox

RRID:SCR 016168

Type: Tool

Proper Citation

Berkeley Advanced Reconstruction Toolbox (RRID:SCR_016168)

Resource Information

URL: https://doi.org/10.5281/zenodo.592960

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Description: Image reconstruction software for MRI. Its library provides common operations on multi-dimensional arrays, Fourier and wavelet transforms, as well as generic implementations of iterative optimization algorithms.

Abbreviations: BART

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

Keywords: mri, reconstruction, magnetic, resonance, neuroimaging, array, transform, algorithm

Funding: NCRR R41 RR09784;

American Heart Association 12BGIA9660006;

NIBIB R01 EB009690; UC Discovery 193037; Sloan Research Fellowship;

GE Healthcare

Availability: Open source, Free

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Alternate URLs: https://mrirecon.github.io/bart/, https://sources.debian.org/src/bart/

License: BSD 3-Clause "New" or "Revised" License (BSD-3-Clause)

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Ratings and Alerts

No rating or validation information has been found for Berkeley Advanced Reconstruction Toolbox.

No alerts have been found for Berkeley Advanced Reconstruction Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Safari M, et al. (2024) Fast MRI Reconstruction Using Deep Learning-based Compressed Sensing: A Systematic Review. ArXiv.