

Resource Summary Report

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[eddy](#)

RRID:SCR_024934

Type: Tool

Proper Citation

eddy (RRID:SCR_024934)

Resource Information

URL: <https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/eddy>

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Description: Software tool for correcting eddy currents and movements in diffusion data. Used to predict undistorted data, to which actual observed images can be aligned, to estimate and to correct for volume-to-volume movement and off-resonance fields, to signal dropout caused by movement during diffusion encoding, within-volume movement and movement-induced changes of susceptibility-induced off-resonance field. In addition to correcting for these effects, the output from this framework offers description of off resonance and subject movement effects present in uncorrected data.

Resource Type: data processing software, software application, software resource

Keywords: correcting eddy currents and movements, diffusion data correction,

Availability: Free, Freely available

Resource Name: eddy

Resource ID: SCR_024934

Record Creation Time: 20240129T210604+0000

Record Last Update: 20260912T200434+0000

Ratings and Alerts

No rating or validation information has been found for eddy.

No alerts have been found for eddy.

Data and Source Information

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Huang S, et al. (2026) Glymphatic system dysfunction in pediatric growth hormone deficiency evidenced by multiple MRI metrics. Quantitative imaging in medicine and surgery, 16(1), 58.

Valenchon M, et al. (2026) Affiliative behaviours regulate allostasis development and shape biobehavioural trajectories in horses. Nature communications, 17(1), 47.

Roura I, et al. (2025) Clinical and brain volumetric correlates of decreased DTI-ALPS, suggestive of local glymphatic dysfunction, in iRBD. NPJ Parkinson's disease, 11(1), 87.

Pareto D, et al. (2025) Image analysis research in neuroradiology: bridging clinical and technical domains. Neuroradiology, 67(7), 1649.

Heo S, et al. (2024) Alterations of Structural Network Efficiency in Early-Onset and Late-Onset Alzheimer's Disease. Journal of clinical neurology (Seoul, Korea), 20(3), 265.

Esteban-Cornejo I, et al. (2024) Early morning physical activity is associated with healthier white matter microstructure and happier children: the ActiveBrains project. European child & adolescent psychiatry, 33(3), 833.

Lee SM, et al. (2023) Impact of a multidomain lifestyle intervention on white matter integrity: the SUPERBRAIN exploratory sub-study. Frontiers in aging neuroscience, 15, 1242295.

Krijnen EA, et al. (2023) Detection of grey matter microstructural substrates of neurodegeneration in multiple sclerosis. Brain communications, 5(3), fcad153.

Pinky NN, et al. (2022) Multimodal magnetic resonance imaging of youth sport-related concussion reveals acute changes in the cerebellum, basal ganglia, and corpus callosum that resolve with recovery. Frontiers in human neuroscience, 16, 976013.