Resource Summary Report

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Joint Anisotropic LMMSE Filter for Stationary Rician noise removal in DWI

RRID:SCR_009502
Type: Tool

Proper Citation

Joint Anisotropic LMMSE Filter for Stationary Rician noise removal in DWI (RRID:SCR_009502)

Resource Information

URL: http://www.nitrc.org/projects/jalmmse_dwi/

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Description: This module reduces Rician noise on nhdr/nrrd DWIs. Filters image in mean squared error sense using Rician noise model. All estimations are performed as sample estimates in a "shaped neighborhood" defined by the weights extracted from structural similarity of voxels following same idea as in Non-Local Means filter.

Synonyms: Joint Anisotropic LMMSE Filter for Stationary Rici

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

Keywords: reduce Rician noise, Rician noise model, image filter,

Funding: Ministerio de Ciencia y Educacion ;
Junta de Castilla y Leon

Availability: Free, Available for download, Freely available

Resource Name: Joint Anisotropic LMMSE Filter for Stationary Rician noise removal in DWI

Resource ID: SCR_009502

Alternate IDs: nlx_155649, SCR_014129

License: 3D Slicer License

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260805T044223+0000

Ratings and Alerts

No rating or validation information has been found for Joint Anisotropic LMMSE Filter for Stationary Rician noise removal in DWI.

No alerts have been found for Joint Anisotropic LMMSE Filter for Stationary Rician noise removal in DWI.

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 RRID .

Aur??a A, et al. (2015) Structured sparsity for spatially coherent fibre orientation estimation in diffusion MRI. NeuroImage, 115, 245.