Resource Summary Report

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fanDTasia Java Applet: DT-MRI Processing

RRID:SCR_009624
Type: Tool

Proper Citation

fanDTasia Java Applet: DT-MRI Processing (RRID:SCR_009624)

Resource Information

URL: http://www.cise.ufl.edu/~abarmpou/lab/fanDTasia/

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Description: A Java applet tool for DT-MRI processing. It opens Diffusion-Weighted MRI datasets from user's computer and performs very efficient tensor field estimation using parallel threaded processing on user's browser. No installation is required. It runs on any operating system that supports Java (Windows, Mac, Linux,...). The estimated tensor field is guaranteed to be positive definite second order or higher order and is saved in user's local disc. MATLAB functions are also provided to open the tensor fields for your convenience in case you need to perform further processing. The fanDTasia Java applet provides also vector field visualization for 2nd and 4th-order tensors, as well as calculation of various anisotropic maps. Another useful feature is 3D fiber tracking (DTI-based) which is also shown using 3d graphics on the user's browser.

Abbreviations: fdt

Synonyms: FanDTasia

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

Keywords: magnetic resonance, dti, diffusion-weighted mri

Funding: NIBIB EB007082;
NINDS NS066340

Availability: Non-Commercial Software License Agreement, Https://www.nitrc.org/include/glossary.php#589, Non-commercial

Resource Name: fanDTasia Java Applet: DT-MRI Processing

Resource ID: SCR_009624

Alternate IDs: nlx_155849

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

Record Creation Time: 20220129T080254+0000

Record Last Update: 20250423T060525+0000

Ratings and Alerts

No rating or validation information has been found for fanDTasia Java Applet: DT-MRI Processing.

No alerts have been found for fanDTasia Java Applet: DT-MRI Processing.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Harrison IF, et al. (2018) Non-invasive imaging of CSF-mediated brain clearance pathways via assessment of perivascular fluid movement with diffusion tensor MRI. eLife, 7.

Woodworth D, et al. (2015) Unique Microstructural Changes in the Brain Associated with Urological Chronic Pelvic Pain Syndrome (UCPPS) Revealed by Diffusion Tensor MRI, Super-Resolution Track Density Imaging, and Statistical Parameter Mapping: A MAPP Network Neuroimaging Study. PloS one, 10(10), e0140250.