**NODDI Matlab Toolbox**

**RRID:** SCR_006826

**Type:** Tool

**Proper Citation:**

NODDI Matlab Toolbox (RRID:SCR_006826)

**Resource Information**


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**Description:**

This MATLAB toolbox implements a data fitting routine for Neurite Orientation Dispersion and Density Imaging (NODDI). NODDI is a new diffusion MRI technique for imaging brain tissue microstructure. Compared to DTI, it has the advantage of providing measures of tissue microstructure that are much more direct and hence more specific. It achieves this by adopting the model-based strategy which relates the signals from diffusion MRI to geometric models of tissue microstructure. In contrast to typical model-based techniques, NODDI is much more clinically feasible and can be acquired on standard MR scanners with an imaging time comparable to DTI.

**Resource Type:** Resource, software resource, software toolkit

**Keywords:** analyze, matlab, magnetic resonance, nifti, os independent, neurite orientation dispersion and density imaging, diffusion mri

**Parent Organization:** University College London; London; United Kingdom

**Availability:** Artistic License

**Website Status:** Last checked up

**Abbreviations:** NODDI Matlab Toolbox

**Resource Name:** NODDI Matlab Toolbox

**Resource ID:** SCR_006826
Alternate IDs: nlx_155892
Alternate URLs: http://www.nitrc.org/projects/noddi_toolbox

Ratings and Alerts

- 3.5 / 5 (9 votes) Rated at NITRC http://www.nitrc.org/projects/noddi_toolbox

No alerts have been found for NODDI Matlab Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


