Resource Summary Report

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MISST - Microstructure Imaging Sequence Simulation ToolBox

RRID:SCR_014140
Type: Tool

Proper Citation

MISST - Microstructure Imaging Sequence Simulation ToolBox (RRID:SCR_014140)

Resource Information

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

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Description: A practical diffusion MRI simulator for development, testing, and optimisation of novel MR pulse sequences for microstructure imaging. MISST is based on a matrix method approach and simulates the signal for a large variety of pulse sequences and tissue models. It is designed for diffusion MRI researchers who are interested in understanding and developing diffusion pulse sequences for imaging microstructure.

Abbreviations: MISST

Synonyms: Microstructure Imaging Sequence Simulation Toolbox

Resource Type: software resource, software application, simulation software, software toolkit

Keywords: simulation software, software toolkit, mri simulator, pulse sequence, tissue model, imaging, microstructure

Funding:

Availability: Available to the research community

Resource Name: MISST - Microstructure Imaging Sequence Simulation ToolBox

Resource ID: SCR_014140

Alternate URLs: http://mig.cs.ucl.ac.uk/index.php?n=Tutorial.MISST

License: Artistic License 2.0

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Ratings and Alerts

No rating or validation information has been found for MISST - Microstructure Imaging Sequence Simulation ToolBox.

No alerts have been found for MISST - Microstructure Imaging Sequence Simulation ToolBox.

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 NIF.

Warner W, et al. (2023) Temporal Diffusion Ratio (TDR) for imaging restricted diffusion: Optimisation and pre-clinical demonstration. NeuroImage, 269, 119930.

Ianu? A, et al. (2017) Double oscillating diffusion encoding and sensitivity to microscopic anisotropy. Magnetic resonance in medicine, 78(2), 550.