Resource Summary Report

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Finsler tractography module for Slicer

RRID:SCR_009477
Type: Tool

Proper Citation

Finsler tractography module for Slicer (RRID:SCR_009477)

Resource Information

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

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Description: This module implements the Finsler tractography method with HARDI data described by J. Melonakos et al. From a set of seeding and target points, the paths are estimated as the shortest path taking into account a local, directional dependent cost. The output provided is the connectivity map from each voxel in the volume to the seeding points, plus a vector volume with the directions tangent to the fiber bundles at each point. If the Backtracing module within is built, these directions can be traced back to actually compute the fiber bundles (VTK required). The software can be built as either a stand-alone or a CLI plugin for 3D Slicer.

Abbreviations: Finsler tractography module for Slicer

Resource Type: software application, software resource

Keywords: c++, connectivity analysis, console (text based), diffusion mr fiber tracking, diffusion spectrum, direction, fiber tracking, linux, macos, microsoft, modeling, magnetic resonance, nrrd, posix/unix-like, q-ball, super tensor, tensor metric, tractography

Funding:

Availability: 3D Slicer License

Resource Name: Finsler tractography module for Slicer

Resource ID: SCR_009477

Alternate IDs: nlx_155624

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Record Last Update: 20250402T060803+0000

Ratings and Alerts

No rating or validation information has been found for Finsler tractography module for Slicer.

No alerts have been found for Finsler tractography module for Slicer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.