ConTrack
RRID:SCR_002681
Type: Tool

Proper Citation

ConTrack (RRID:SCR_002681)

Resource Information

URL: https://simtk.org/home/contrack

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Description: An algorithm for identifying pathways that are known to exist between two regions within DTI data of anisotropic tissue, e.g., muscle, brain, spinal cord. The ConTrack algorithms use knowledge of DTI scanning physics and apriori information about tissue architecture to identify the location of connections between two regions within the DTI data. Assuming a course of connection or pathway between these two regions is known to exist within the measured tissue, ConTrack can be used to estimate properties of these connections in-vivo.

Abbreviations: ConTrack

Synonyms: Connectivity Tracking, Connectivity Tracking (ConTrack), Connectivity Tracking (ConTrack)

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

Defining Citation: PMID:18831651

Keywords: diffusion tensor imaging, tractography, brain connectivity, mri, software, source code, pathway, fiber tractography, tissue analysis

Funding Agency: NIH Roadmap for Medical Research, NIGMS, NEI

Availability: MIT License
**Resource Name:** ConTrack

**Resource ID:** SCR_002681

**Alternate IDs:** nif-0000-23303

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**Ratings and Alerts**

No rating or validation information has been found for ConTrack.

No alerts have been found for ConTrack.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#).


Minami S, et al. () Inter-individual Differences in Occipital Alpha Oscillations Correlate with White Matter Tissue Properties of the Optic Radiation. eNeuro, 7(2).