

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

DeepFly3D

RRID:SCR_021402

Type: Tool

Proper Citation

DeepFly3D (RRID:SCR_021402)

Resource Information

URL: <https://github.com/NeLy-EPFL/DeepFly3D>

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Description: Software tool as PyTorch and PyQT5 implementation of 2D-3D tethered Drosophila pose estimation. Image annotation tool used for pose estimation and appendage tracking. Provides interface for pose estimation and to permit further correction of 2D pose estimates, which are automatically converted to 3D pose.

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

Defining Citation: [DOI:10.7554/elife.48571](https://doi.org/10.7554/elife.48571)

Keywords: Image annotation, pose tracking, pose estimation, motor circuit, behavioral measure, accurate 3D pose estimation, OpenBehavior

Availability: Free, Available for download, Freely Available

Resource Name: DeepFly3D

Resource ID: SCR_021402

Alternate URLs: <https://edspace.american.edu/openbehavior/project/deepfly3d/>

License: GNU Lesser General Public License

Record Creation Time: 20220129T080355+0000

Record Last Update: 20260819T044535+0000

Ratings and Alerts

No rating or validation information has been found for DeepFly3D.

No alerts have been found for DeepFly3D.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Rose F, et al. (2026) Deep Imputation for Skeleton data (DISK) for behavioral science. Nature methods, 23(1), 236.