

Resource Summary Report

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AMILab

RRID:SCR_009525

Type: Tool

Proper Citation

AMILab (RRID:SCR_009525)

Resource Information

URL: <http://amilab.org>

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Description: An opensource software for image analysis, processing and visualization. It provides convenient visualization tools for 2D and 3D images and it is highly extensible through its own scripting language. At visualization level, AMILab includes a 2D/3D image viewer, a 3D polygon viewer based on OpenGL, a 2D Curve viewer to visualize 2D curves, histograms and color/opacity transfer functions, and a GPU-enabled raycasting script for Volume Rendering based on VTK. The software includes an automatic C++ wrapping system which permits fast development of new visualization tools and image processing algorithms. This wrapping system currently wraps about 200 classes from wxwidgets library and about 100 classes from VTK.

Abbreviations: AMILab

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

Defining Citation: [PMID:22356993](#)

Keywords: active contour, analyze, animation, artifact removal, bshort/bfloat, c++, dicom, domain independent, filtering, format conversion, fourier transform, frequency domain, gnome, image display, intensity contour, kde, linux, macos, medial axis, microsoft, minc, motion analysis, nrrd, posix/unix-like, python, quality metrics, rendering, resampling, segmentation, shape analysis, software, spatial transformation, spline interpolation, surface rendering, temporal transformation, two dimensional display, visualization, volume rendering, win32 (ms windows), windows

Availability: GNU Lesser General Public License

Resource Name: AMILab

Resource ID: SCR_009525

Alternate IDs: nlx_155687

Alternate URLs: <http://www.nitrc.org/projects/amilab>

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260808T190309+0000

Ratings and Alerts

No rating or validation information has been found for AMILab.

No alerts have been found for AMILab.

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 [SPARC SAWG](#) .

Gonzalez-Klenner FJ, et al. (2022) Tomato Defense against Whiteflies under Drought Stress: Non-Additive Effects and Cultivar-Specific Responses. Plants (Basel, Switzerland), 11(8).