# **Resource Summary Report**

Generated by NIF on May 23, 2025

## **AMILab**

RRID:SCR\_009525

Type: Tool

## **Proper Citation**

AMILab (RRID:SCR\_009525)

#### Resource Information

URL: http://amilab.org

Proper Citation: AMILab (RRID:SCR\_009525)

**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 application, software resource, 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

#### **Funding:**

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:** 20250522T060605+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 NIF.

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