

# Resource Summary Report

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## Template Image Processing Library

RRID:SCR\_002600

Type: Tool

### Proper Citation

Template Image Processing Library (RRID:SCR\_002600)

### Resource Information

**URL:** <http://tipl.labsolver.org>

**Proper Citation:** Template Image Processing Library (RRID:SCR\_002600)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on January 14,2026. A lightweight C++ template library designed mainly for medical imaging processing. The design paradigm follows generic programming, and the purpose is to provide an easy-to-use and also ready-to-use library. The code is template-based, and only header files are needed to be included to the source code. This library provides the following functions: # DICOM (r), Analyze(r), Nifti (r/w), and MATLAB MAT V4 (r/w) # numerical: add, multiply, gradient. # interpolation: linear, gaussian radial basis # filters: mean, gaussian, laplacian, sobel, anisotropic diffusion # morphological processing: erosion, expansion, opening, closing # template-based Fourier transform # linear coregistration: rigid body, affine transform, least square fit, mutual information # nonlinear coregistration: The Large Deformation Diffeomorphic Metric Mapping (LDDMM)

**Abbreviations:** TIPL

**Resource Type:** data processing software, image analysis software, image processing software, software application, software library, software resource, software toolkit

**Keywords:** reusable library, analyze, c++, dicom, format conversion, magnetic resonance, nifti, os independent, segmentation, spatial transformation, visualization, win32 (ms windows)

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Template Image Processing Library

**Resource ID:** SCR\_002600

**Alternate IDs:** nlx\_156003

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

**Record Creation Time:** 20220129T080214+0000

**Record Last Update:** 20260905T132450+0000

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## Ratings and Alerts

No rating or validation information has been found for Template Image Processing Library.

No alerts have been found for Template Image Processing Library.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.