

# Resource Summary Report

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## LONI ShapeTools

RRID:SCR\_002697

Type: Tool

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### Proper Citation

LONI ShapeTools (RRID:SCR\_002697)

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### Resource Information

**URL:** <http://www.loni.usc.edu/Software/ShapeTools>

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**Description:** Software library that is a collection of Java classes that enable Java programmers to model, manipulate and visualize geometric shapes and associated data values. It simplifies the creation of application programs by providing a ready-made set of support routines. \* File format readers that implement ShapeIO interface (modeled after Java ImageIO) are automatically used when appropriate. \* Storage of additional metadata of arbitrary type (other than shape vertices and interconnections) is enabled by the use of data attributes. \* Shapes may contain a set of child shapes allowing for the construction and manipulation of complex hierarchies of shapes. \* The various components of a shape are specified as interfaces with specific implementations, making it easy to create specialized implementations of a shape component when different performance characteristics are required.

**Abbreviations:** ShapeTools

**Resource Type:** software toolkit, software resource, software library, software development tool, software application

**Keywords:** data visualization, java, shape analysis software, computed tomography, magnetic resonance, pet, spect

**Funding:** NIBIB 9P41EB015922-15;  
NCRR 2-P41-RR-013642-15;  
NCRR U54 RR021813

**Availability:** Free, Freely available

**Resource Name:** LONI ShapeTools

**Resource ID:** SCR\_002697

**Alternate IDs:** nif-0000-23323

**License:** GNU General Public License

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

**Record Last Update:** 20260731T042642+0000

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## Ratings and Alerts

No rating or validation information has been found for LONI ShapeTools.

No alerts have been found for LONI ShapeTools.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Machts J, et al. (2018) Global Hippocampal Volume Reductions and Local CA1 Shape Deformations in Amyotrophic Lateral Sclerosis. Frontiers in neurology, 9, 565.