

Resource Summary Report

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LONI ShapeTools

RRID:SCR_002697

Type: Tool

Proper Citation

LONI ShapeTools (RRID:SCR_002697)

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 application, software development tool, software library, software resource, software toolkit

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

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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.

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 [Kravitz](#) .

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