

# Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

## ShapeWorks

RRID:SCR\_000424

Type: Tool

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### Proper Citation

ShapeWorks (RRID:SCR\_000424)

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### Resource Information

**URL:** <http://www.sci.utah.edu/cibc/software/131-shapeworks.html>

**Proper Citation:** ShapeWorks (RRID:SCR\_000424)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 2, 2022. Software that is an open-source distribution of a new method for constructing compact statistical point-based models of ensembles of similar shapes that does not rely on any specific surface parameterization. The method requires very little preprocessing or parameter tuning, and is applicable to a wide range of shape analysis problems, including nonmanifold surfaces and objects of arbitrary topology. The proposed correspondence point optimization uses an entropy-based minimization that balances the simplicity of the model (compactness) with the accuracy of the surface representations. The ShapeWorks software includes tools for preprocessing data, computing point-based shape models, and visualizing the results.

**Abbreviations:** ShapeWorks

**Resource Type:** software application, software resource

**Keywords:** c++, console (text based), linux, macos, microsoft, magnetic resonance, posix/unix-like, rendering, shape analysis, surface rendering, visualization, win32 (ms windows), windows, workflow

**Funding:** NCRR 5P41RR012553-15;  
NIGMS 8 P41 GM103545-15

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

**Resource Name:** ShapeWorks

**Resource ID:** SCR\_000424

**Alternate IDs:** nlx\_155961

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

**License:** MIT License, X Consortium License

**Record Creation Time:** 20220129T080201+0000

**Record Last Update:** 20260821T042508+0000

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## Ratings and Alerts

No rating or validation information has been found for ShapeWorks.

No alerts have been found for ShapeWorks.

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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 [NIF](#) .

Bolsterlee B, et al. (2022) A new framework for analysis of three-dimensional shape and architecture of human skeletal muscles from in vivo imaging data. Journal of applied physiology (Bethesda, Md. : 1985), 132(3), 712.