

Resource Summary Report

Generated by [ASWG](#) on Sep 3, 2026

DualSurfaceMin

RRID:SCR_008278

Type: Tool

Proper Citation

DualSurfaceMin (RRID:SCR_008278)

Resource Information

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

Proper Citation: DualSurfaceMin (RRID:SCR_008278)

Description: The DualSurfaceMin is a C++ implementation of the fully automatic dual surface minimization (DSM) algorithm for the optimization of deformable surfaces. The method is developed for automatic surface extraction from noisy volumetric images. Its features include: global DSM, DSM-OS, and DSM-IS algorithms for automatic surface extraction from volumetric images using deformable simplex meshes; support for the VRML and OFF formats; output of both triangulated and simplex meshes; and support for the raw and Analyze 7.5 image formats.

Abbreviations: DSM

Resource Type: data processing software, image processing software, software application, software resource

Keywords: software, image processing, optimization, deformable surface, surface extraction

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

Availability: Available for educational and research purposes only

Resource Name: DualSurfaceMin

Resource ID: SCR_008278

Alternate IDs: nif-0000-23322

License: <http://loni.usc.edu/Software/license.php>

License URLs: <http://loni.usc.edu/Software/termsofuse.php>

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260829T182329+0000

Ratings and Alerts

No rating or validation information has been found for DualSurfaceMin.

No alerts have been found for DualSurfaceMin.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.