

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

MGDM: Multi Geometric Deformable Model

RRID:SCR_002311

Type: Tool

Proper Citation

MGDM: Multi Geometric Deformable Model (RRID:SCR_002311)

Resource Information

URL: <http://www.nitrc.org/projects/mgdm/>

Proper Citation: MGDM: Multi Geometric Deformable Model (RRID:SCR_002311)

Description: An efficient level set framework for multi-object segmentation. Its representation inherently prevents overlaps and gaps and it readily preserves object topology and object relationships. MGDM is efficient, storing only a fixed number of functions for any number of objects, and therefore scales well to segmentation problems with many classes and large images. It's representation also avoids some instabilities in other multi-class level set methods. MGDM is cross-platform; MATLAB wrappers, Java source and API are provided, with MIPAV plugins forthcoming.

Abbreviations: MGDM

Synonyms: Multi Geometric Deformable Model

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

Keywords: algorithm, reusable library, computed tomography, java, matlab, magnetic resonance

Availability: Free

Resource Name: MGDM: Multi Geometric Deformable Model

Resource ID: SCR_002311

Alternate IDs: nlx_155658

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260806T054338+0000

Ratings and Alerts

No rating or validation information has been found for MGDM: Multi Geometric Deformable Model.

No alerts have been found for MGDM: Multi Geometric Deformable Model.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.