Resource Summary Report

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GPU based affine registration

RRID:SCR_009486
Type: Tool

Proper Citation

GPU based affine registration (RRID:SCR_009486)

Resource Information

URL: http://www.nitrc.org/projects/gpu-areg/

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Description: This tool can be used as a command line module with 3D Slicer (version 3 and above) for the affine registration of image volumes. The registration toolbox has 2 options: 1) a Mutual Information based registration, 2) a Sum-of-Square differences registration method. The final output is in the same space as the fixed image. You do require to have CUDA v2.2 or greater installed on your system with atleast 256MB Nvidia GPU memmory card. All operating systems are supported, but take a look at the CMakeLists.txt file for how to compile for you system.

Abbreviations: GPU based affine registration

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

Keywords: magnetic resonance

Funding:

Availability: GPL-Style Open unspecified license, Http://www.nitrc.org/include/glossary.php#573

Resource Name: GPU based affine registration

Resource ID: SCR_009486

Alternate IDs: nlx_155633

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250410T065836+0000

Ratings and Alerts

No rating or validation information has been found for GPU based affine registration.

No alerts have been found for GPU based affine registration.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.