## **Resource Summary Report**

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# **NIRAL Utilities**

RRID:SCR\_002490 Type: Tool

### **Proper Citation**

NIRAL Utilities (RRID:SCR\_002490)

## **Resource Information**

URL: http://www.nitrc.org/projects/niral\_utilities/

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**Description:** Open-source utilities that are C++ based command line applications that allow image analysis and processing using ITK or VTK libraries. Specifically the following utilities are contained thus far: \* ImageMath - the swiss army knife image modification \* ImageStat - compute stats on images \* IntensityRescaler - rescale/normalize intensities using a prior brain tissue segmentation \* convertITKformats - convert 3D images in all ITK formats (NRRD, NIFTI, GIPL, Meta etc) \* DWI\_NiftiNrrdConversion - convert DWI and DTI from/to NRRD and NIFTI, works with UNC DTI tools and FSL \* CropTools - crops 3D and 4D images \* PolydataMerge - Merges VTK polydata files \* PolydataTransform - Transforms polydata files \* TransformDeformationField - concatenates or average deformation fields (H-fields or displacement fields) \* DTIAtlasBuilder - Creates a DTI average from multiple DTI images

#### Abbreviations: NIRAL Utilities

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

**Keywords:** analyze, c++, console (text based), linux, macos, microsoft, magnetic resonance, nrrd, posix/unix-like

#### Funding:

Availability: BSD License

Resource Name: NIRAL Utilities

Resource ID: SCR\_002490

Alternate IDs: nlx\_155884

**Record Creation Time:** 20220129T080213+0000

Record Last Update: 20250521T060845+0000

### **Ratings and Alerts**

No rating or validation information has been found for NIRAL Utilities.

No alerts have been found for NIRAL Utilities.

Data and Source Information

Source: <u>SciCrunch Registry</u>

**Usage and Citation Metrics** 

We have not found any literature mentions for this resource.