

Resource Summary Report

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NA-MIC Kit

RRID:SCR_005616

Type: Tool

Proper Citation

NA-MIC Kit (RRID:SCR_005616)

Resource Information

URL: <http://www.na-mic.org/Wiki/index.php/SoftwareInventory>

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Description: A free open source software platform consisting of the 3D Slicer application software, a number of tools and toolkits such as VTK and ITK, and a software engineering methodology that enables multiplatform implementations. It also draws on other best practices from the community to support automatic testing for quality assurance. The NA-MIC kit uses a modular approach, where the individual components can be used by themselves or together. The NA-MIC kit is fully-compatible with local installation (behind institutional firewalls) and installation as an internet service. Significant effort has been invested to ensure compatibility with standard file formats and interoperability with a large number of external applications. Users of the NAMIC Kit will typically use a combination of its many modular components. * 3D Slicer is a general purpose application. Biomedical researchers will typically use this software tool to load, view, analyze, process and save image data. Slicer has been implemented to interoperate with many other tools, including XNAT, which is an open source image database. * Slicer modules, which are dynamically loaded by Slicer at run-time, can be used to extend Slicer's core functionality including defining graphical user interfaces. Modules are typically used by algorithms and application developers. * Application and algorithms developers may also use NA-MIC Kit toolkits and libraries. For example, the Insight Segmentation and Registration Toolkit ITK can be used to develop slicer modules for medical image analysis. The Visualization Toolkit can be used to process, visualize and graphically interact with data. KWWidgets is a 2D graphical user interface toolset that can be used to build applications. Teem is a library of general purpose command-line tools that are useful for processing data. Finally, those individuals wishing to create and manage complex software, the NAMIC-Kit software process is available as embodied in CMake, CTest, CPack, DART and the various documentation, bug tracking and communication tools.

Abbreviations: NA-MIC Kit

Synonyms: NA-MIC-Kit

Resource Type: software resource

Keywords: platform, image analysis, visualization, segmentation, registration

Funding: NIH

Availability: BSD-style license

Resource Name: NA-MIC Kit

Resource ID: SCR_005616

Alternate IDs: nlx_146255

Record Creation Time: 20220129T080231+0000

Record Last Update: 20260912T195628+0000

Ratings and Alerts

No rating or validation information has been found for NA-MIC Kit.

No alerts have been found for NA-MIC Kit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.