FusionViewer 1.0 Release Notes

FusionViewer 1.0 Beta

January 8, 2008

We are pleased to announce that FusionViewer 1.0 Beta has been released today. 1.0 Beta is basically an enhancement and bug fix release. This Beta release improved the DICOM format support by selecting and reading DICOM images according to series unique identifiers (UIDs). It replaced the old JOGL library with JSR231 to provide the latest access to OpenGL library. Also it utilized the new JGoodies Looks R2.1.4 library to improve the platform-independent usability of FusionViewer application.

For FusionViewer 1.0 Beta Windows release, it has the win32 installer that will install the application to your computer and create desktop and quick launch shortcuts.

Some Important Changes:

- Improve DICOM format support by directly read-in
- Update the JOGL library to JSR-231 1.1.0
- Update the JGoodies Looks library to Looks R2.1.4
- Include a installer for Windows executables

The release is available from our release update site at SourceForge.net. FusionViewer 1.0.beta is compatible with Insight Toolkit (ITK) version 3.4.0.

FusionViewer 1.0 Alpha

March 15, 2007

We are pleased to announce the first release, FusionViewer 1.0 Alpha.

FusionViewer is an open source cross-platform medical image-viewing tool, for use by researchers in providing linked and/or fused display of PET/CT images. FusionViewer has also been used for other multi-modality image combinations.

FusionViewer has been intensively tested at different sites on different platforms. The toolkit is being released in open source with compiled and tested binaries for Windows and MacOS. We are looking for both testers and developers.

Some Highlighted Features:

- Visualization and quantification of both 2D and 3D image data
- Three orthogonal views: axial, sagittal, and coronal
- Display modes: alpha blend, checkerboard, split window, and linked cursor
- Fast switching between different display modes.
- Adjustable opacity of the background and foreground images
- Size adjustment of checkerboard grid and split window
- Cross-referenced cursor position through all views
- Cursor crosshair position in either physical coordinates (mm) or pixel coordinates
- Standard tools for data viewing and measurement
- Standard color maps and easy definition of customized color maps
- Supported data format: MetaIO, DICOM (via a converter), JPEG, TIFF, PNG, Interfile, and more

Requirements:

• Windows 2000/XP, Mac OS X 10.3.9 or later
• Java Runtime Environment 1.4 or later

Download FusionViewer 1.0.alpha

Please visit http://sourceforge.net/project/showfiles.php?group_id=162712 for a list of ftp sites holding release 1.0.alpha of FusionViewer.

Windows XP and Mac OS 10.4 have precompiled versions.

Terms of use

FusionViewer is released under the GNU General Public License. Its copyright is held by Insightful Corporation. This program is freely distributed "as is" and no warranty either expressed or implied is given to the user. FusionViewer is not intended for clinical use. The names of the University of Washington or Insightful Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

Install and use FusionViewer 1.0.alpha

- Mac OS users
  To install FusionViewer, decompress and untar the downloaded file. Drag and drop the application to your local disk. And run it by double clicking the application icon.

- Windows users
  To install FusionViewer, unzip the downloaded file. Drag and drop the FusionViewer folder to your local disk. Run the application by double clicking FusionViewer.jar.

For more information, please read FusionViewer User's Guide (http://fusionviewer.sourceforge.net/docs/FusionViewerUsersGuide.pdf)

Participate in FusionViewer Project

Because FusionViewer is an open-source system, you can participate. If you'd like to become involved, please visit our developer's page at http://fusionviewer.sourceforge.net/developerinfo.html. Here are the following steps that you might consider.

1. Read the FusionViewer Developer's Guide (http://fusionviewer.sourceforge.net/docs/FusionViewerDevelopersGuide.pdf)
2. As this document suggests, join the FusionViewer mailing list
3. Obtain access to the CVS repository (read-only, anonymous access), and obtain the distribution using the following procedures
4. Contribute code or fix bugs by mailing code to the list or contacting a developer directly
5. Once you demonstrate your abilities, obtain read-write access to the CVS repository. Access can be obtained by following the procedures described in the FusionViewer Developer's Guide

Resources

A number of resources are available to learn more about FusionViewer.

- The FusionViewer webpage is located at http://fusionviewer.sourceforge.net/
- FusionViewer SourceForge homepage is located at http://sourceforge.net/projects/fusionviewer
- The definitive guide to FusionViewer is available from FusionViewer User's Guide
- Developers, or users interested in learning more, should visit our developer's page at http://fusionviewer.sourceforge.net/developerinfo.html and read the document FusionViewer Developer's Guide

Demos

A good way to learn about FusionViewer is to see how it is used. You can download the Mac OS or Windows demos from our homepage http://fusionviewer.sourceforge.net/download.html#demo

Bug Reports

Please submit bugs to http://sourceforge.net/tracker/?group_id=162712&atid=824874.