











































•14/11/11

MTIK & CTK

Sascha Zelzer and Marco Nolden

CTK Plugin Framework

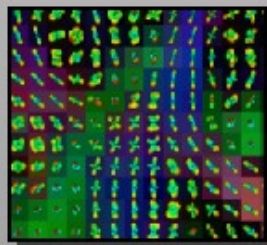
- ▶  org.blueberry.compat
- ▶  org.blueberry.core.commands
- ▶  org.blueberry.core.expressions
- ▶  org.blueberry.core.jobs
- ▶  org.blueberry.core.runtime
- ▶  org.blueberry.osgi
- ▶  org.blueberry.solstice.common
- ▶  org.blueberry.test
- ▶  org.blueberry.ui
- ▶  org.blueberry.ui.qt
- ▶  org.blueberry.ui.qt.log
- ▶  org.blueberry.ui.qt.objectinspector
- ▶  org.blueberry.uitest

- ▶  org.mitk.core.ext
- ▶  org.mitk.core.jobs
- ▶  org.mitk.diffusionimaging
- ▶  org.mitk.gui.qt.basicimageprocessing
- ▶  org.mitk.gui.qt.colourimageprocessing
- ▶  org.mitk.gui.qt.datamanager
- ▶  org.mitk.gui.qt.deformableregistration
- ▶  org.mitk.gui.qt.diffusionimaging
- ▶  org.mitk.gui.qt.diffusionimagingapp
- ▶  org.mitk.gui.qt.dtiatlasapp
- ▶  org.mitk.gui.qt.ext
- ▶  org.mitk.gui.qt.extapplication
- ▶  org.mitk.gui.qt.igtavigationtoolmanager
- ▶  org.mitk.gui.qt.igttoolpairnavigation
- ▶  org.mitk.gui.qt.igttrackinglab
- ▶  org.mitk.gui.qt.igttrackingtoolbox
- ▶  org.mitk.gui.qt.igttutorial
- ▶  org.mitk.gui.qt.imagecropper
- ▶  org.mitk.gui.qt.imagenavigator
- ▶  org.mitk.gui.qt.imagestatistics
- ▶  org.mitk.gui.qt.isosurface
- ▶  org.mitk.gui.qt.materialeditor
- ▶  org.mitk.gui.qt.measurement
- ▶  org.mitk.gui.qt.moviemaker
- ▶  org.mitk.gui.qt.navigationdataplayer
- ▶  org.mitk.gui.qt.pointbasedregistration
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- ▶  org.mitk.gui.qt.python.console
- ▶  org.mitk.gui.qt.regiongrowing

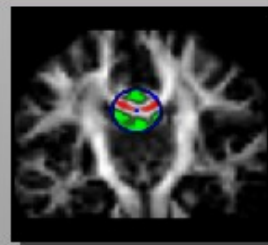
Welcome



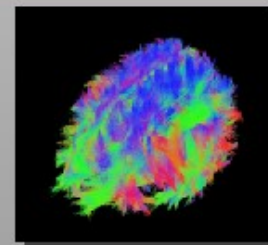
Dicom Import
more info >>



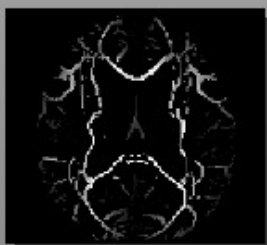
Preprocessing & Reconstruction
more info >>



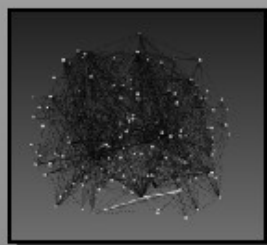
Quantification
more info >>



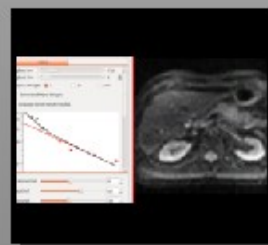
Tractography
more info >>



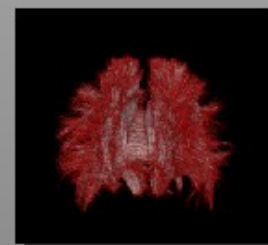
TBSS
more info >>



Connectomics
more info >>



IVIM
more info >>



Volume Visualization
more info >>



Screenshots & Movies
more info >>



MITK Downloads & News
more info >>

Volume Visualization - MITK Diffusion (Not for use in diagnosis or treatment of patients)

File Edit Window Help

Open Save Project Close Project Undo Redo Image Navigator DICOM

Data Manager

ct head

MIP

Welcome

Display



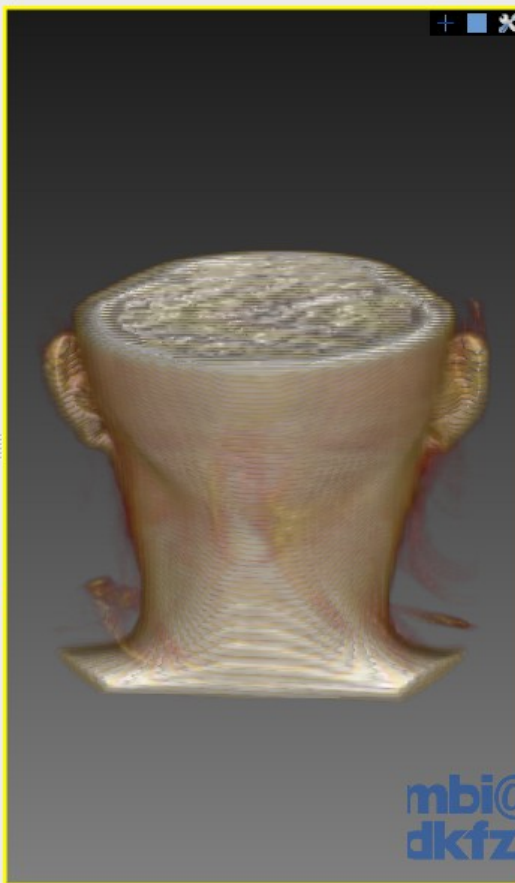
Transversal



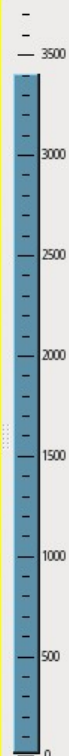
Sagittal



Coronal



mbi@dkfz



1698 3389

Show Welcome Screen

Transversal 46

Sagittal 32

Coronal 32

Time 0

Position: <102.40, 102.40, 69.00> mm; Index: <32, 32, 46> ; Time: 0.00 ms; Pixelvalue: 122.00 1.37 GB (35.52 %)

mitkDiffusion

Volume Visualization

Selected Image: ct head

Volumerendering LOD GPU slicing

Presets Threshold Bell

choose an internal transferfunction preset

Load Save

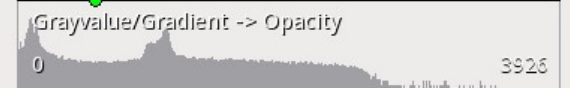
Reset



Grayvalue Opacity



Grayvalue Opacity



Grayvalue Opacity

More CTK usage

- Dicom Indexer
- Dicom UI elements
- Dicom networking

- Python console

Future Plans

- Make more use of the Plugin Framework to create a true service oriented platform
- Tighter integration of CTK DICOM components
- Application Hosting (MITK as host and app)