



## Import Formats

- DICOM (version 3.0 and 2D stacks) including:
  - 4D (time-resolved) DICOM with time step selection
  - Option to store DICOM tags with imported data
- DICOM encapsulated STL surface models
- ACR-NEMA (versions 1 and 2)
- DICONDE
- Interfile
- Analyze
- Meta-image
- Raw image data
- 2D image stacks:
  - BMP
  - GIF
  - JPEG
  - PCX
  - PNG
  - TIFF
  - XPM
- Natively













- Clipping
- Opacity
- 2D slice planes
- Volume rendering
- Export formats:
  - AVI
  - Ogg Theora
  - H.264/MPEG-4 AVC
  - Windows Media Video (WMV)
  - PNG sequence
- Variety of export sizes: from 480p to 2160p (4K)

## 4D Frame Toolbox

- Active frame slider to manually control frame displayed in the 2D slice views and 3D view
- Cine mode for active slice view and 3D view
- Compare frames: compare two 2D slice views to examine differences
- Options to set the time between frames and delete unwanted frames

## Working with Surface Data

- Surface to mask tool – conversion of surface objects to image masks by voxelization. Three available methods:
  - Accurate for manifold objects: when converting watertight surface object
  - Accurate for non-manifold objects: when converting non-watertight surface object
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- Fill holes – in a surface's triangulation:
  - Displays number of holes and smallest/largest hole diameter
  - Fill all holes or fill holes up to a user-defined maximum hole size
- Resurface: use voxelization and iso-surface extraction to re-triangulate surface objects
- Clip: cut a surface object using finite plane
- Extrude: extrude selected triangles in a specified direction
- Hollow: hollow a surface object, creating an inner and outer surface
- Sweep: dine triangles of a surface object iSla u10(n)5( )8(a)11(n)5(r)5( )]TJETQq0.0000092 0 612 9 reW\* nQq0.0000092 0 612 9 reW\* nBT/F1 9