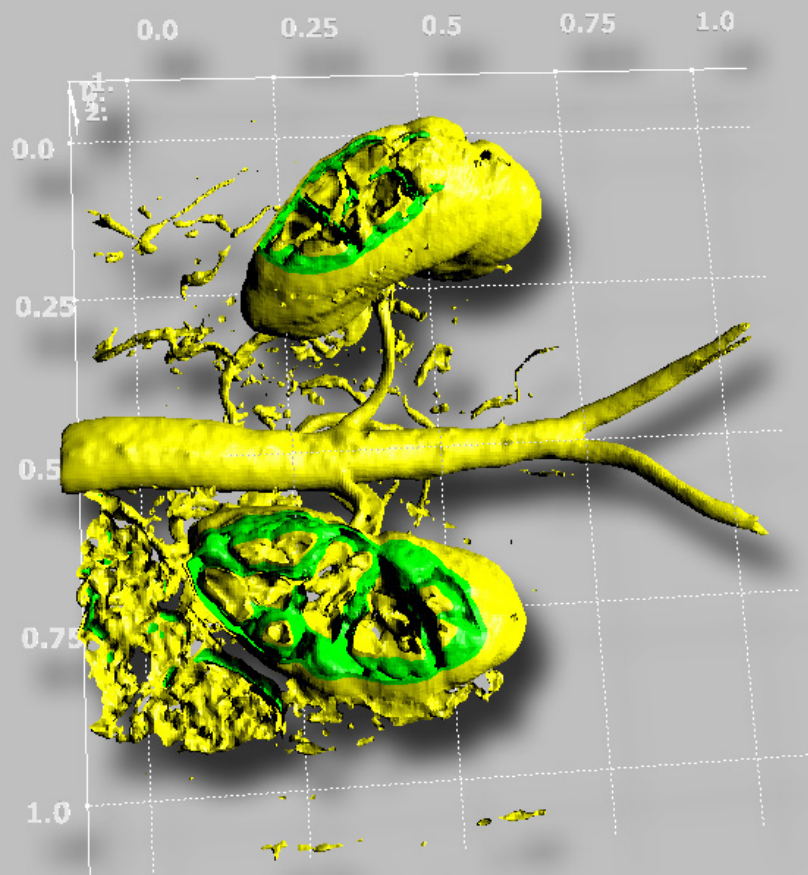


ScienceGL

Volume Visualization Solutions



3D Advanced Visualization Software for medical applications

Volume4D software provides advanced computer graphics for CT, MRI and medical imaging. The software allows you to inspect 4D voxel data (image stack) as photorealistic multiple iso-surfaces. The software implements measurement tools, specific voxel counters, area measuring, object segmentation and much more. We also offer new EEG Spectrum3D visualization solutions for real time spectra analysis (new).

Features:

- 4D image stack to 3D surface constructor, isosurfacing
- OpenGL based fast real-time surface rendering
- Multi-layer 3D surfaces
- Mouse drag controlled all angle rotations, zoom and pan
- Zoom, XYZ coordinate zoom
- Measuring tools: distance, area, volume
- Range of interest (ROI) selection tool, for zooming
- Flexible output JPG, BMP, AVI, (wrl, obj, 3ds, dxf under development)
- Coloring with user palettes
- Light control
- Multiple 3D labels
- Contour plots
- Custom formats support
- True 3D XYZ axis with auto rotation
- Slicing and dicing with interactive tools
- Object selector, segmentation
- AVI video output
- Semi-transparency support
- Data analysis
- Data filters

Interactive 3D Tools:

- Volume Cube
- Distance with plane
- Distance with 3D Pins
- Intersection plane (free movable)
- Orthogonal XYZ Planes
- Mouse position read out
- Range of interest ROI selection

Applications

- Magnetic resonance research, MRI stack processing and visualization
- Biological science imaging
- Computed tomography imaging (CT Scan, CAT Scan)
- 4D volume visualization
- 4D ultrasound skin scanner
- Neurology, biofeedback
- Electroencephalography (EEG), neurodiagnostics
- Time resolved EEG spectrum analysis.

Platform:

- Windows XP, 2K, NT, 9x
- Turn key application or component
- C#, .NET, ActiveX.

