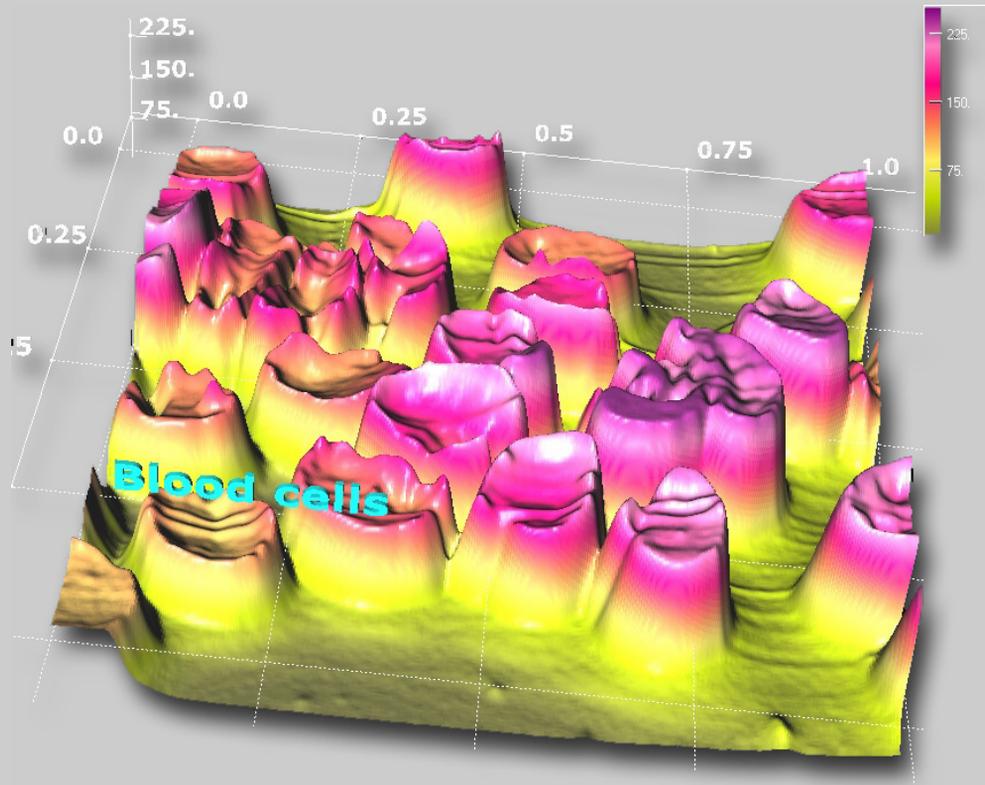


ScienceGL

Advanced 3D Visualization For Nanotechnology



Software Tools and Solutions

- Surface analysis and measurement
- SPM-AFM-STM-SNOM Microscopy
- Nanotechnology, Nanometrology
- Nanomanipulation

ScienceGL
P.O. Box 690244
Quincy, MA 02269

Phone: (617)-4718770
www.sciencegl.com
info@sciencegl.com

ScienceGL

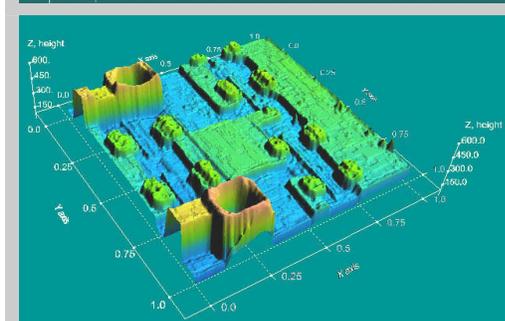
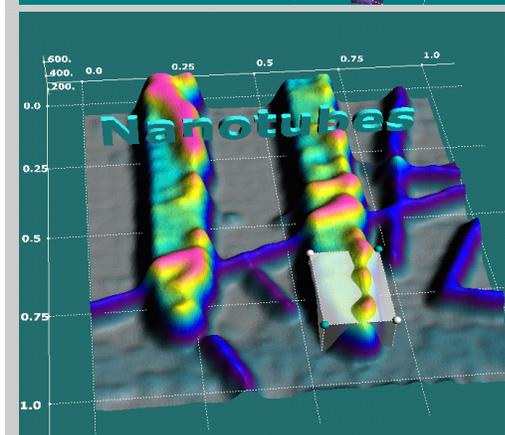
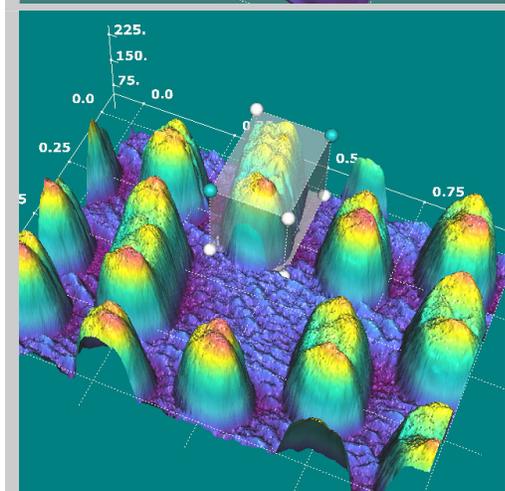
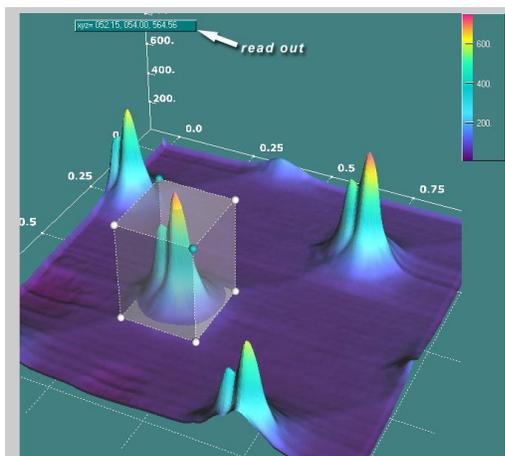
Advanced 3D/4D Computer Graphics for Nanotechnology and Nanometrology

ScienceGL offers professional 3D and 4D graphics software for science and technology that allows you to analyze data quickly and accurately. Our unique set of interactive 3D measurement tools was specifically developed to meet requirements of nanotechnology, nanometrology and nanomanipulation.

We provide custom software solutions and components for scientific research in the field of scanning microscopy (SPM, AFM, STM, SNOM, NSOM, etc.)

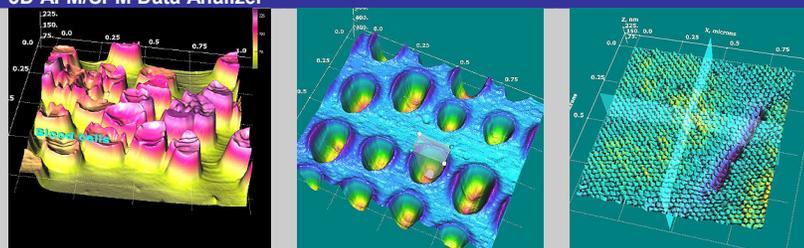
FEATURES:

- OpenGL based, fast real-time render
- Optimized compression algorithm for large data sets
- Animation (up to 30 fps, real time render)
- Mouse drag controlled rotation
- 1D cut plot (intersections) read out
- Interactive mouse operating measurement tools:
 - XYZ distance tool
 - Area tool (semitransparent open box)
 - Volume tool (semitransparent box with anchor points)
- Measurement Report Tool (sub-window)
- Range of interest (ROI) selection tool
- Multiple 3D markers (pins)
- Mouse position XYZ read out with events
- Predefined and user defined palettes
- Palette construction interactive dialogue
- Light control, position and intensity adjustable
- All sizes zoom
- Automatic XYZ ranging
- Z Flip tool
- Elevation Z Low-High cut-off filter
- Smooth surface filter
- Interpolate bilinear filter
- Multiple 3D labels: selectable color, position, orientation
- Contour plots
- VB source examples, semi ready application (VB SDK)
- Custom input file formats support
- True 3D XYZ axis, user format or auto formatted
- Scalable captions, labels, grids
- Random Point (XYZ) support
- Fast Delaunay triangulator, structured grid generator
- Fly-by (upon request)
- AVI animation file save tool with dialogue
- Flexible output JPG, BMP, AVI, OLE picture
- Available as ActiveX (OCX) control or ActiveX (EXE) server
- VC++ compatible, .NET compatible
- OS: Win NT/95/98/ME/2000/XP



AFM/SPM APPLICATIONS

3D AFM/SPM Data Analyzer



ScienceGL offers SPM/AFM Microscopy custom application solutions. We develop custom orientated features such as data read-out filters, ActiveX communication interfaces, custom interactive 3D tools, custom VB scripts, on-line custom support.

Applications by Instrument:

- Atomic force microscope, AFM
- Scanning tunneling microscope, STM
- Scanning probe microscope, SPM
- Laser profiler
- Stylus profiler
- Scanning near field optical microscope, SNOM

by Field:

- Dimensional metrology
- Surface metrology, measurement
- Surface analysis, characterization
- Nanometrology, nanotechnology
- Nanomanipulation