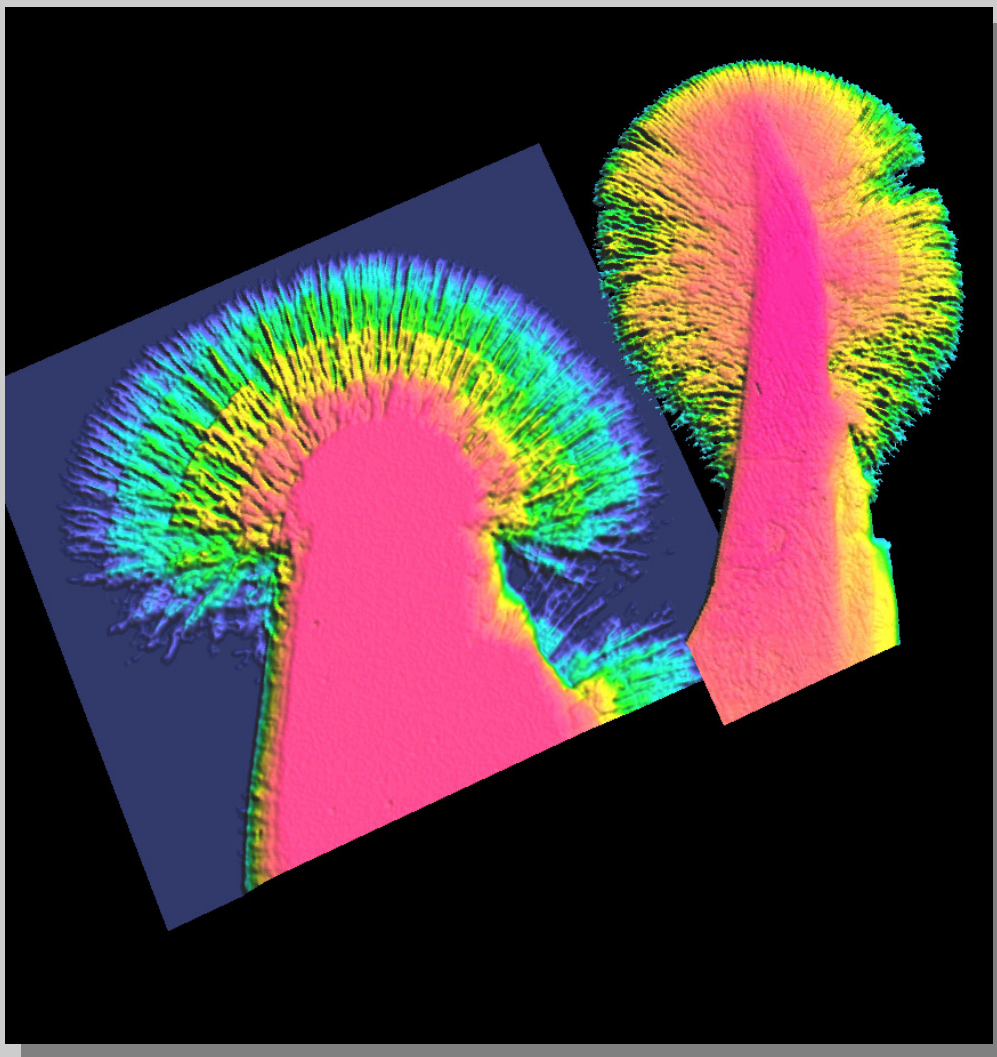# ScienceGL

More Dimensions in AFM Microscopy

3D Advanced Visualization Software for Microscopy.

To address the needs of modern AFM microscopy ScienceGL has developed specific 3D graphics for multiple layer data taken at different AFM modes. The software brings together several different data sets into one 3D screen. This approach lets the researcher to reveal the complex trends and relationship between various phenomena under investigation. The software features advanced interactive set of measuring tools that permits fast and accurate data measurement in 3D virtual reality environment. The access to quantitative measurable parameters of data such as intersections, distance, volume, area makes our software the unique analyzing package for science and technology.

Features:

- 3D visualization with enhanced height images
- 3D Photo-realistic representation
- Multiple Layer images for various AFM modes
- Interactive measurement tools
- Combined 2D and 3D visualization
- Interactive movement and rotation of images in real time.
- Semi-transparency support
- Data analysis
- Data filters

Interactive 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

- Atomic force microscopy, AFM
- Scanning tunneling microscopy, STM
- Scanning probe microscopy, SPM
- Magnetic force microscopy, MFM
- Kelvin probe microscopy, KPM
- Dimensional metrology
- Surface metrology measurement
- Surface analysis, characterization
- Nanometrology, nanotechnology
- Scanning Near Field Optical microscopy, SNOM, NSOM
- Confocal microscopy

Platform:

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