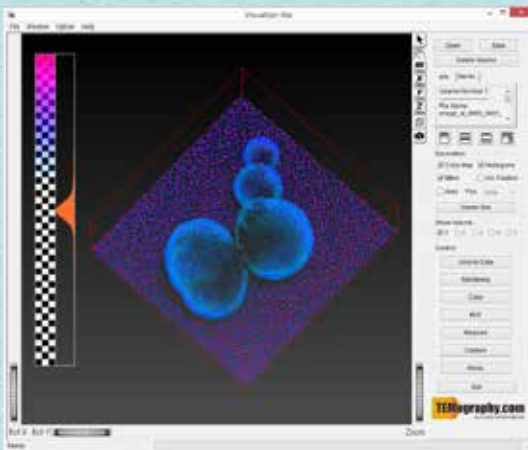


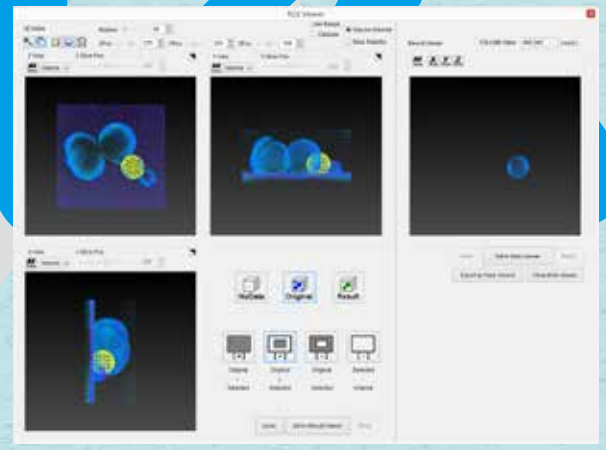
# Visualizer-evo

## § Outlines

Visualizer-evo is an application for viewing volume (3D data) reconstructed with Composer (TEMography Suite) or Stacker (Stack 'N' Viz). In addition to volume rendering, multislice and isosurface basic 3D rendering/viewing techniques, Visualizer-kai possesses advanced functions in the form of 3D spatial length and angle measurement, video creation, volume segmentation, inter-volume computation, and 3D PDF output. Furthermore, Visualizer-kai's simple, refined interface makes all operations intuitively easy, setting it apart from typical 3D visualization software.



Adjustment of the color map and the opacity map

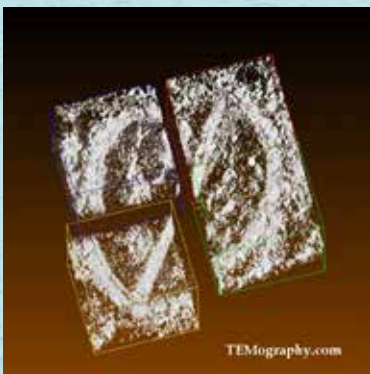


Segmentation

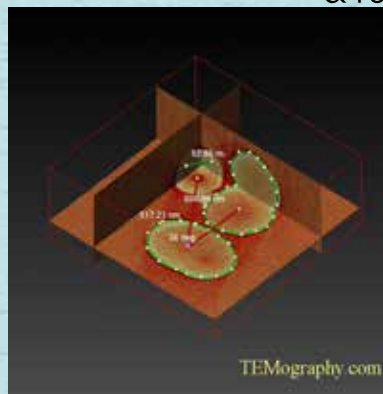
## § Features

- Perform volume tasks using a mouse (rotation, movement, zooming)
- Color & transparency map adjustment functions enable flexible rendering
- Projection method (SUM, MIP, ALPHA) can be selected for volume rendering
- Optimize volume with filters using 3D kernels
- Render slices at arbitrary angles and positions in addition to X, Y and Z planes
- Perform 3D length & angle measurements and output results to files
- Movie creation & editing function can record all operation results
- Generate polygon data and output in CAD data (.dxf) & 3D PDF formats
- Volume Segmentation function enables export of complex shapes
- Simultaneous volume rendering of up to 5 sets
- Enables independent setting of individual volume size, scale, offset

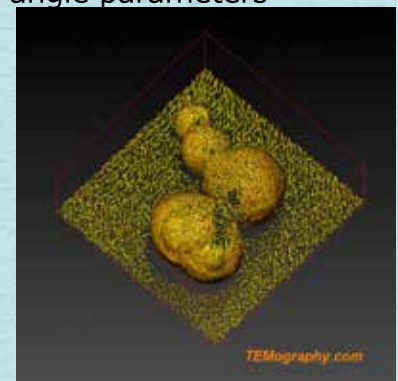
& rotation angle parameters



Function for simultaneous reading of multiple 3D data



Length measurement function

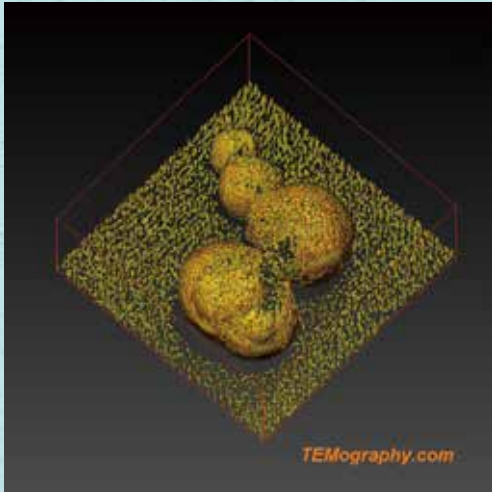


IsoSurface function

## § Operation example

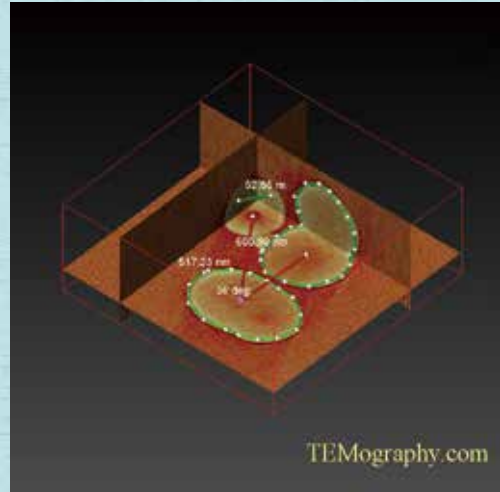
IsoSurface function

Isosurface rendering for up to 3 layers



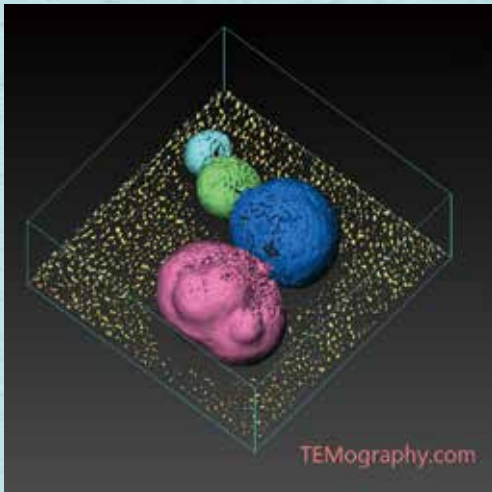
Length measurement function

3D spatial length & angle measurement



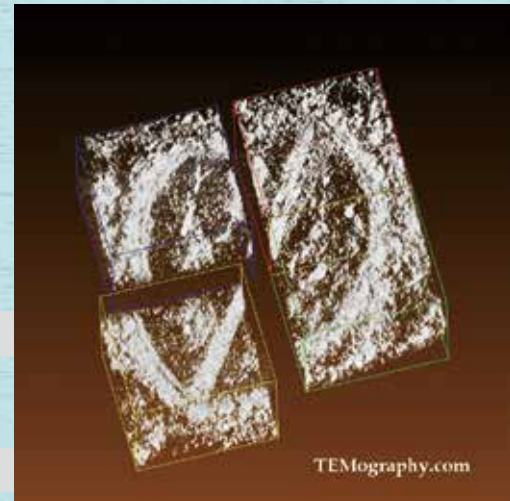
3DPDF creation function

PDFs can be interactively rendered in 3D with Acrobat Reader



Function for simultaneous reading of multiple 3D data

Perform volume movement/rotation and composition



## § System configuration

Graphic card	It is essential to support Open GL 2.1 or higher (Quadro FX series of NVIDIA is recommended)
Main memory	4 GB RAM or more is recommended
Color monitor	A monitor with resolution of 1280 x 1024 or more is recommended
Reading format	BIN (output files of the Visualizer-kai)
OS	Windows10 64bit

The descriptions in this document are based on conditions as of May 2014. The functions and specifications of this product may be changed without any prior notification. Confirm the latest information. Any proper nouns such as company names and products names in this document are trademarks or registered trademarks of the respective companies.

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