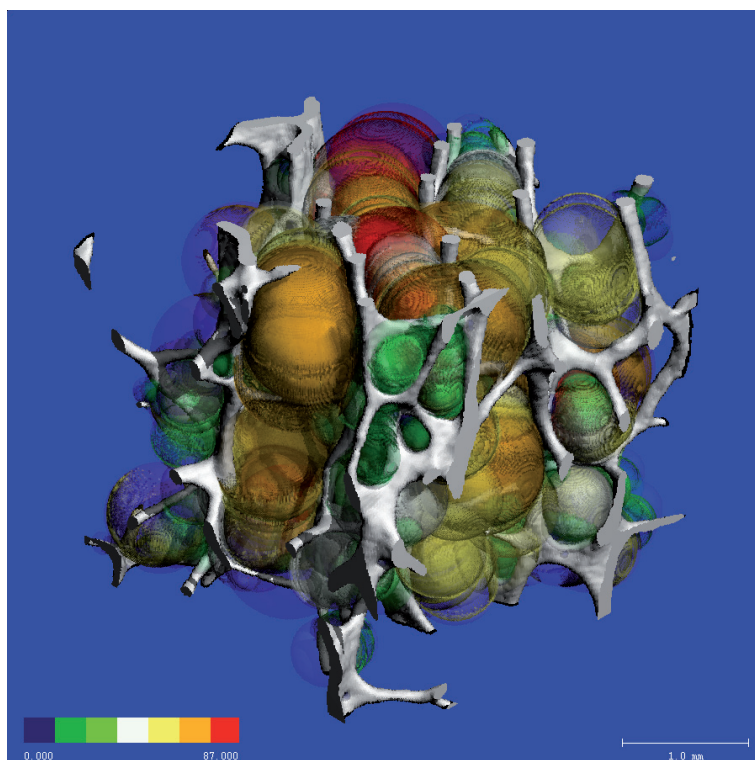


MicroCT Analysis Software



SCANCO MEDICAL

Specifications

General Features

- All programs are database integrated
- Graphical user interface
- Complete imaging solution from measurement to archiving
- 64-bit multitasking/multi-user OS and programs (> very large datasets)
- Automation via scripting/batch mode processing
- Flexible database reporting (individual measurement or study)
- Export function
- Sophisticated printing

Measurement Program

- Scout View (overview image)
- Single-slice or multislice
- Variable resolution/FOV/image size
- Variable integration time
- Flexible measurement protocols
- On-line reconstruction while measuring
- On-line beamhardening correction
- Batch-mode for unattended high throughput scanning
- Density Calibration (Hydroxyapatite Phantom)

Evaluation Program

- Image processing:
 - segmentation, filtering, separation or combination of objects
 - histogram
 - regular or irregular volume of interests (ROI/VOI)
 - automatic contouring
 - 3D morphing (VOI)
- 2D/3D morphometric analysis
- Porosity and pore size distribution
- Density measurements (HU, mg HA/ccm), Density profile (2D)
- Distance measurements (2D/3D)
- Image Registration (3D)
- Evaluation log (for later retrieval)
- Complementary to other imaging technologies
- Various Import/Export functions (DICOM, TIFF, JPG, EPS, STL...)

Visualization Program

- Sophisticated 3D rendering
 - shadows, cut-planes, transparency, perspective
 - value or object color coding
- Animation mode, Anaglyphs

Data Management Program

- Measurement data archiving/retrieval (different media options)
- Full program/database backup to different media

Network Integration

- Direct file access via network (Explorer Windows or NFS, ftp)
- Database and image access via Internet/Intranet (web browser)
- Remote control features via Internet/Intranet (web browser)
- Secure password and file protection capabilities

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