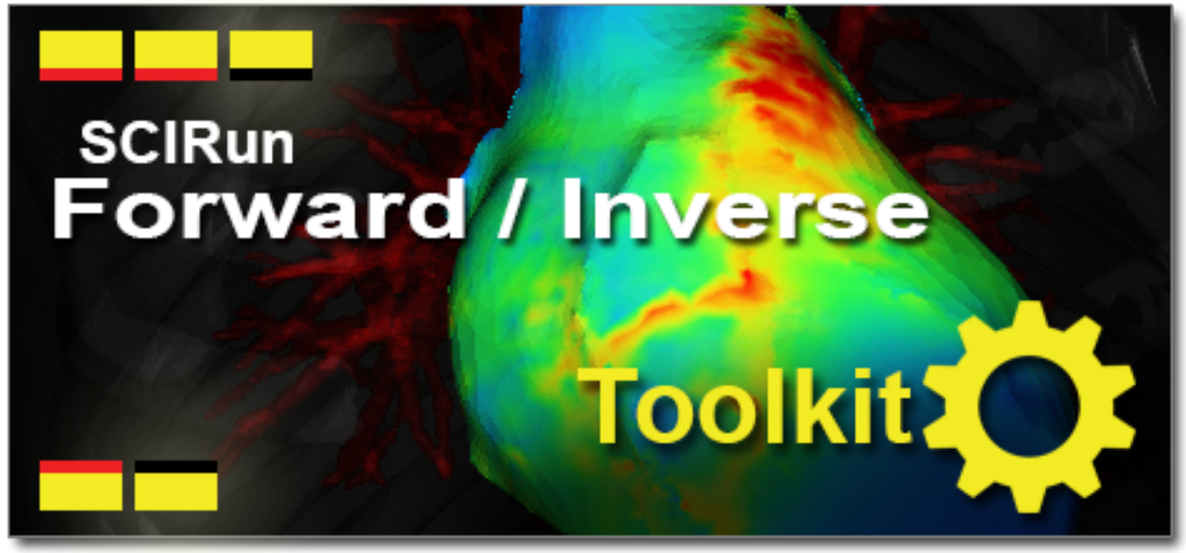

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NIGMS grant number P41 GM103545-18.

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Image-Based Modeling

Image Acquisition

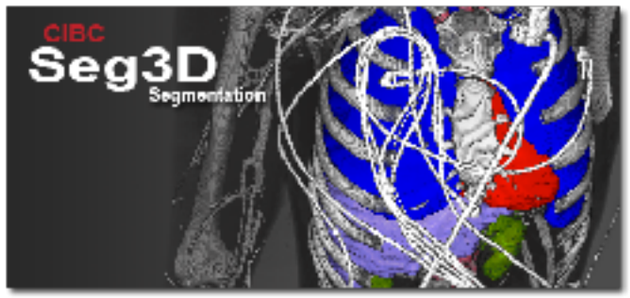
Segmentation

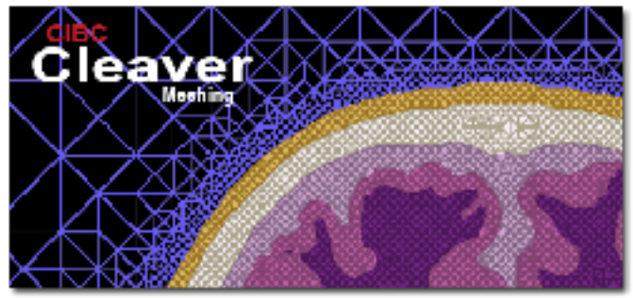
Geometric Modeling

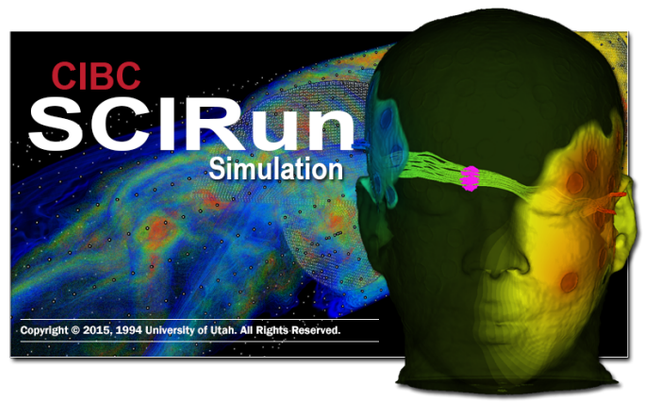
Meshing

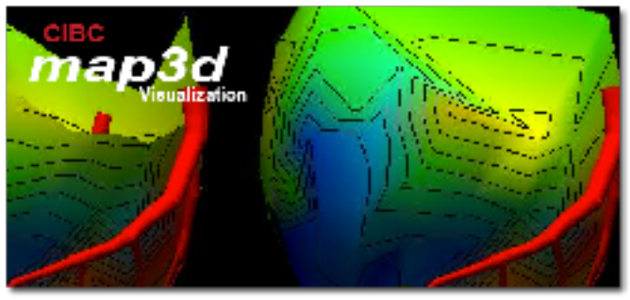
Simulation

Visualization









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http://sci.run

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e441459

CinC 2018

Edit

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Assets 4

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Source code (zip)

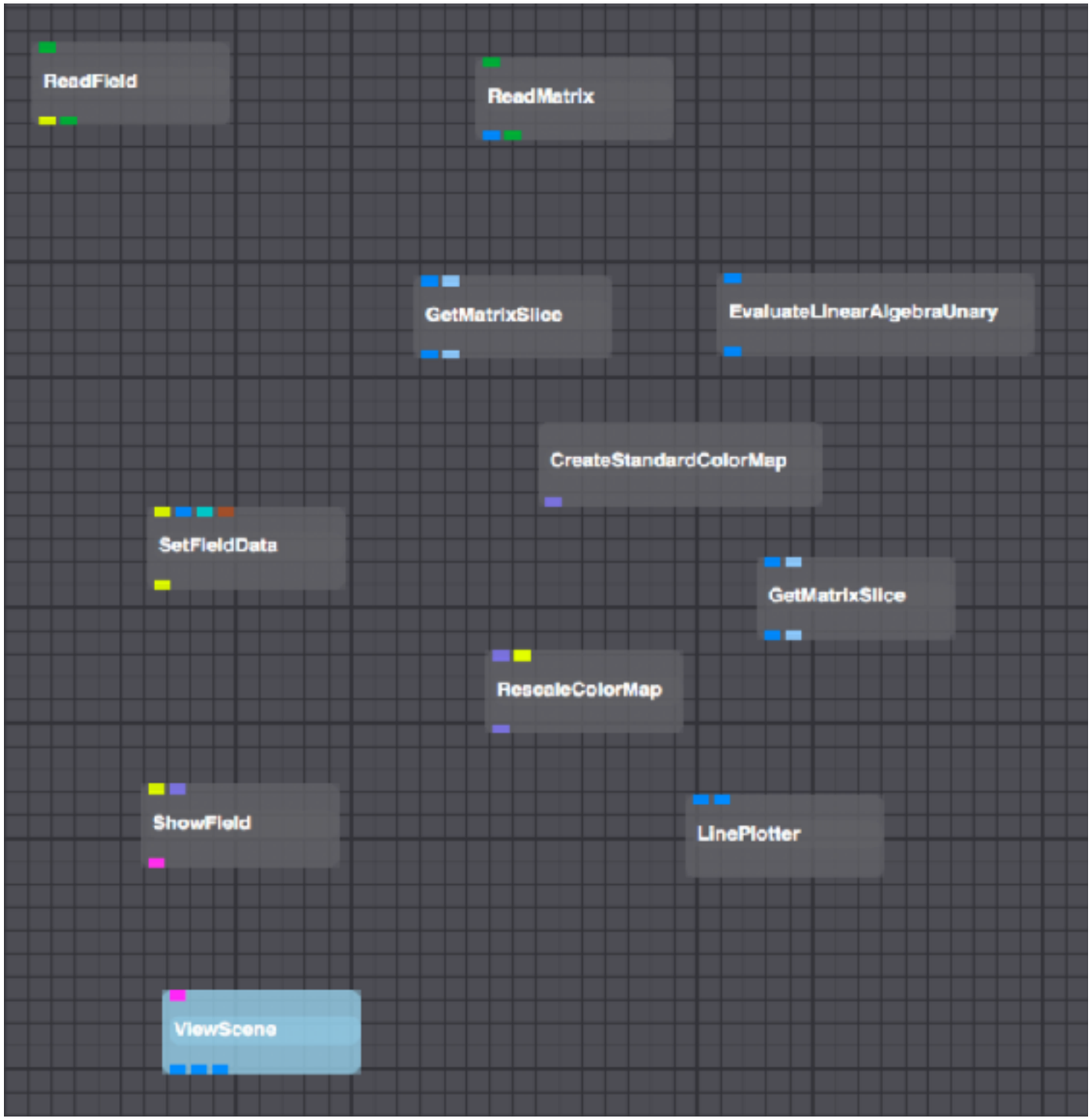
Source code (tar.gz)

```
v5.0-beta.CinC2018

Release v5.0-beta.CinC2018
```

Edit

Problem Solving Environment



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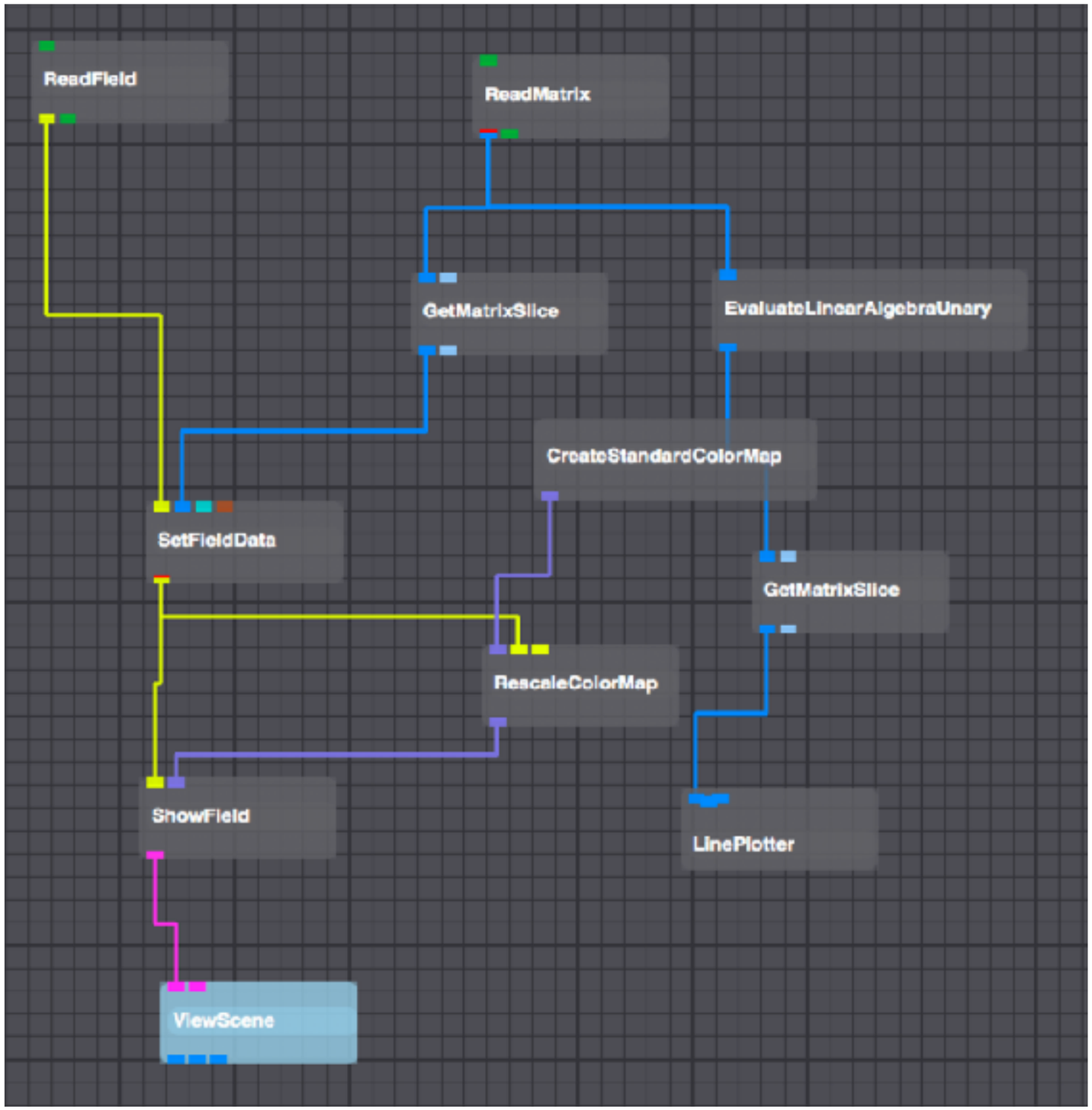
Problem Solving Environment



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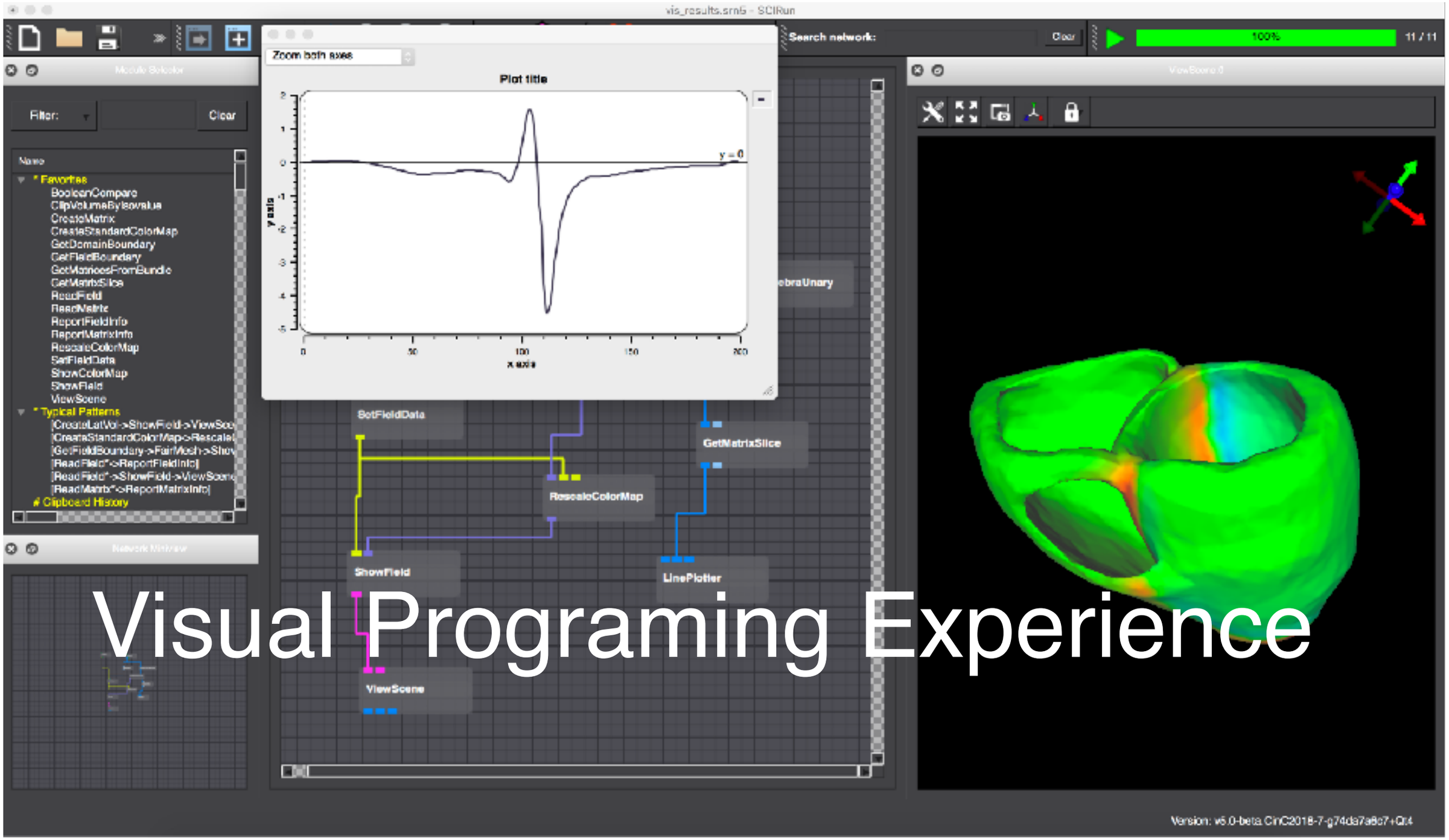
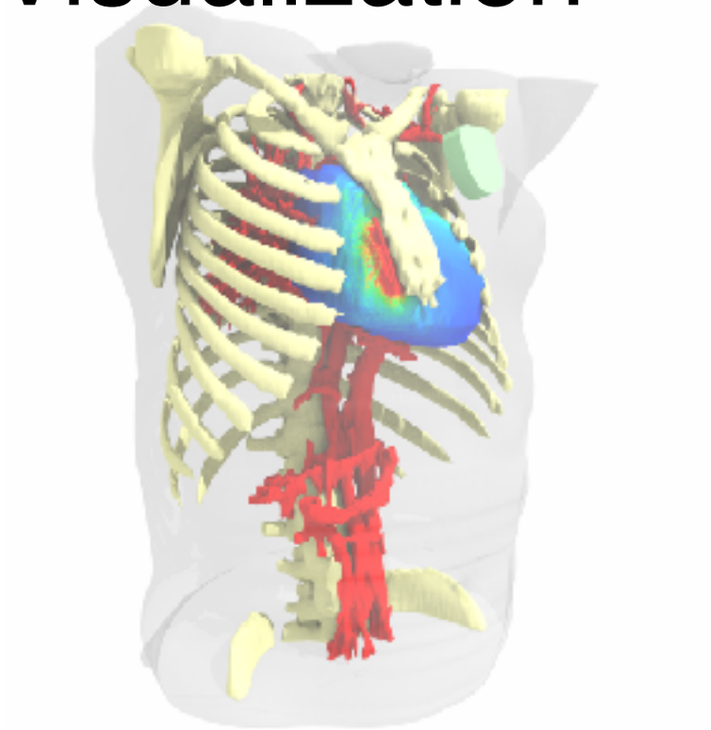
Problem Solving Environment



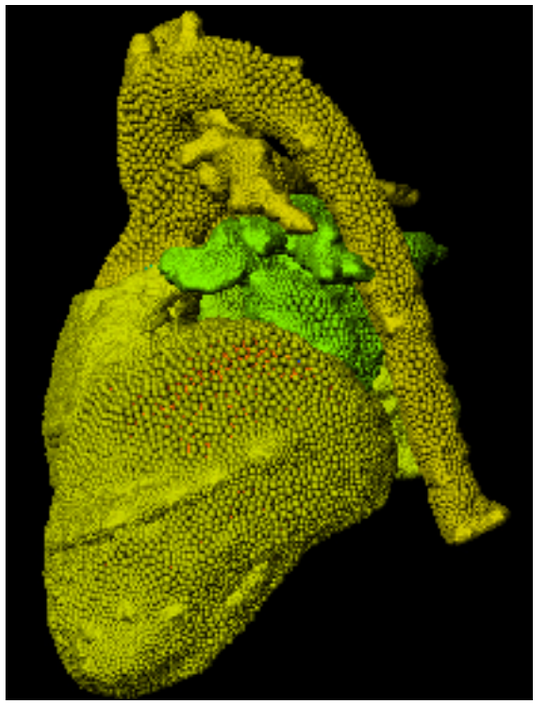
Visual Programing Experience

Computational Workbench

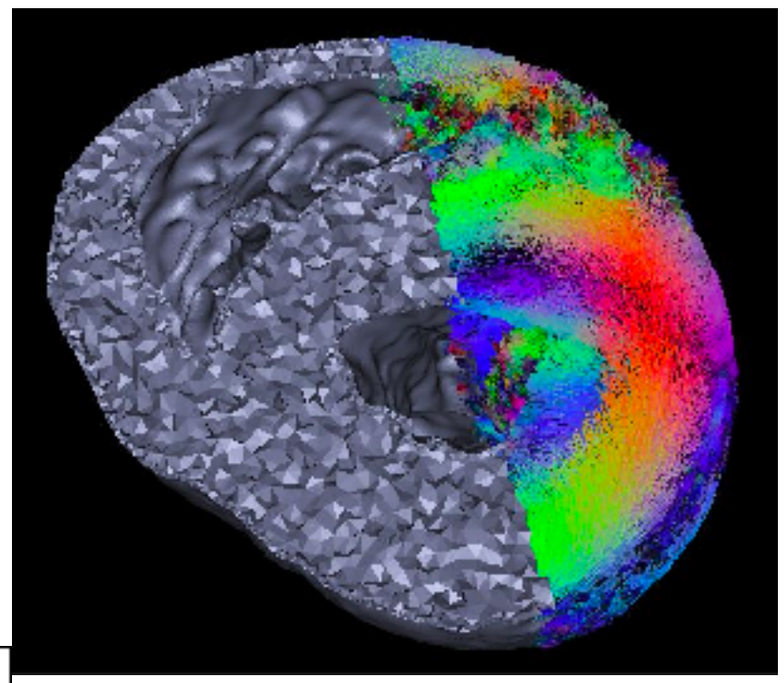
Visualization



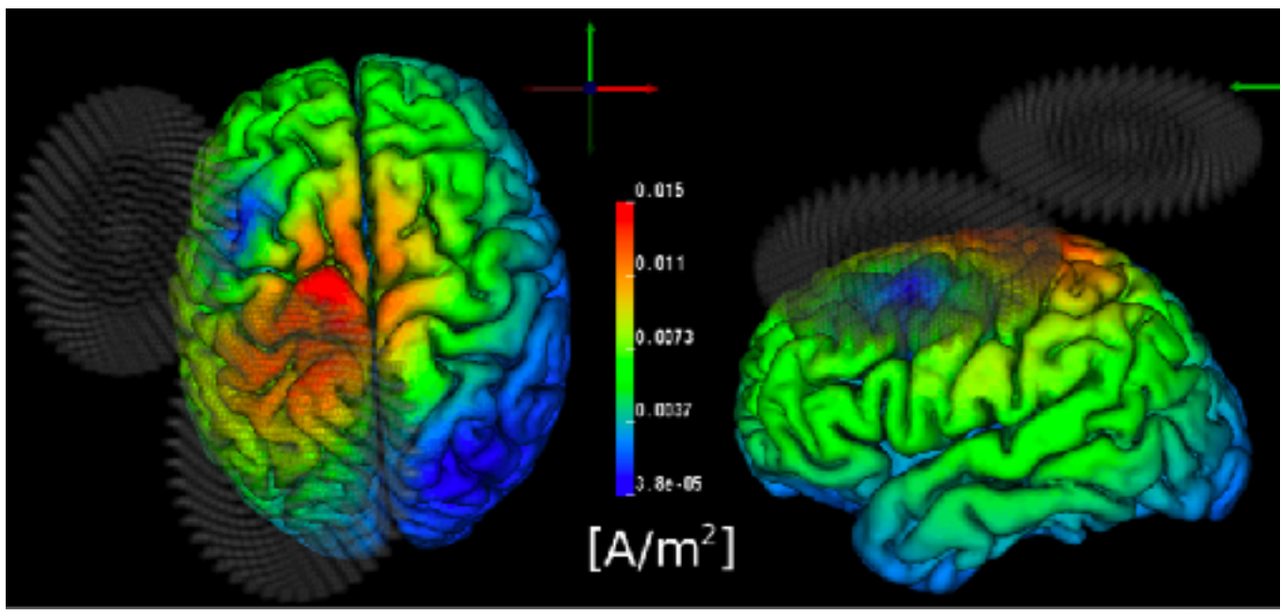
Geometric Modeling



Data Processing



3D Simulation



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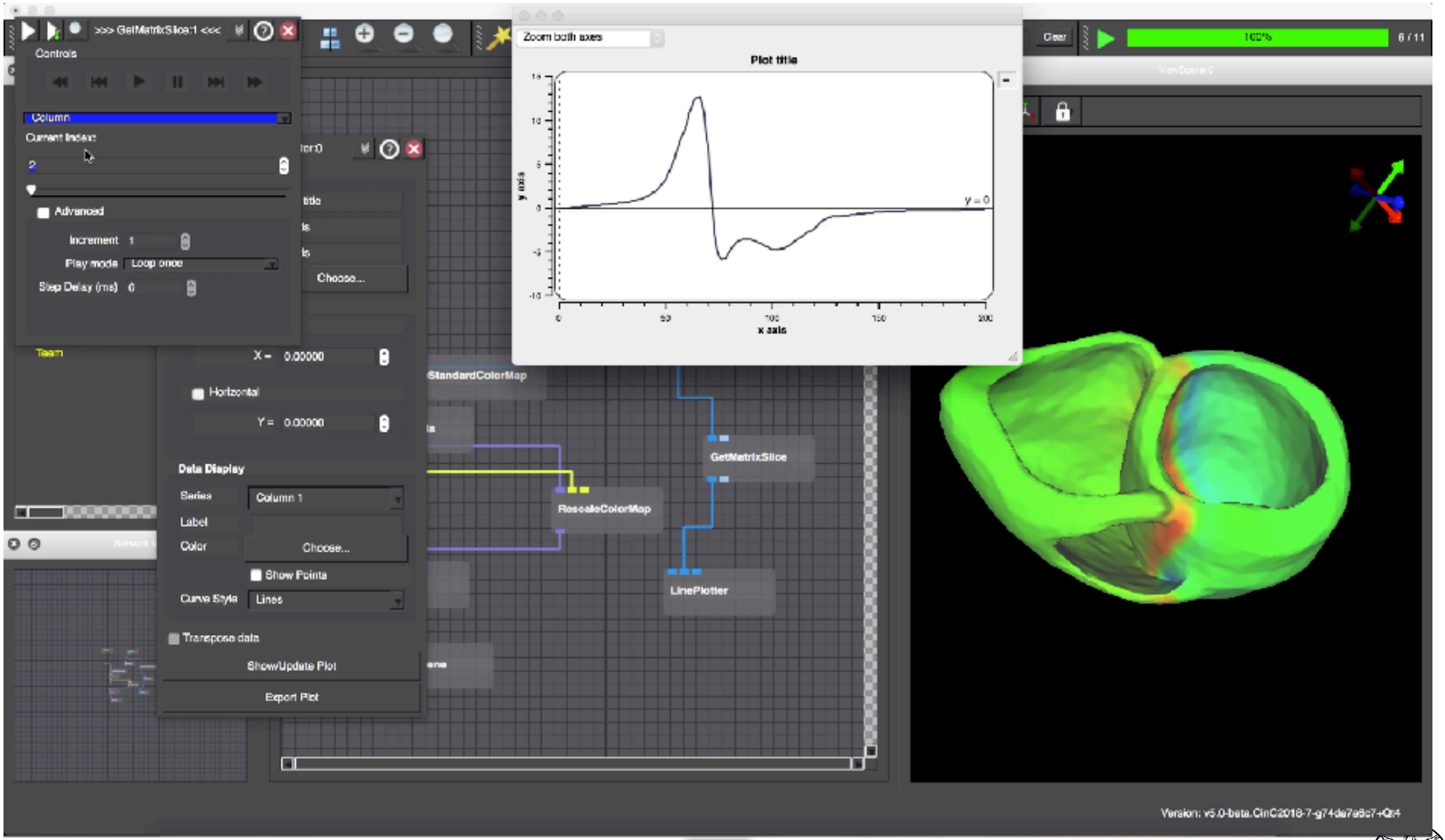
Easy Visualization

the EDGAR Time Signal Catalog



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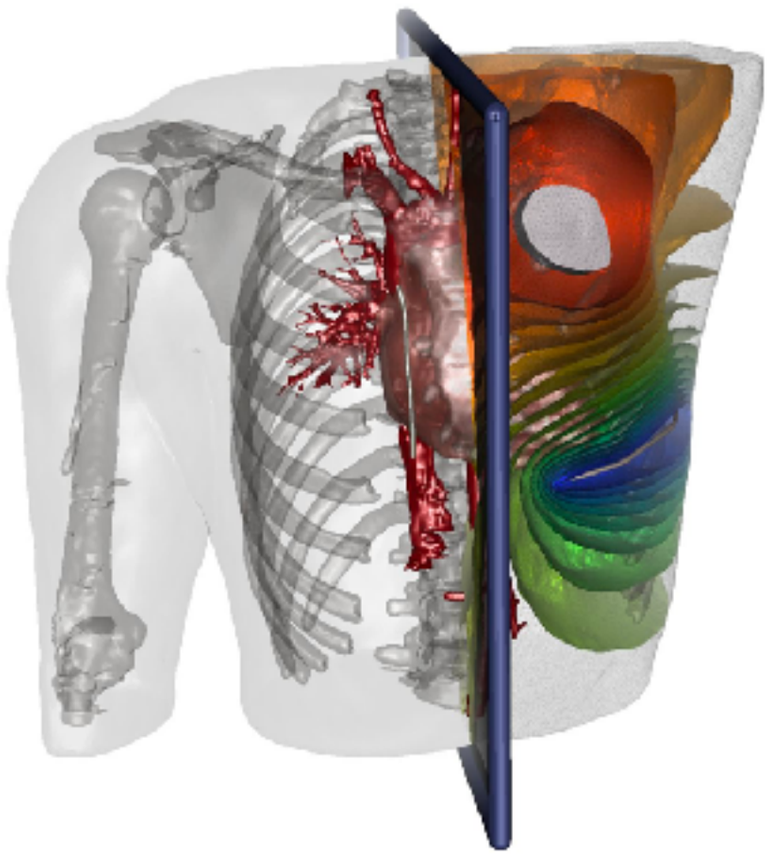
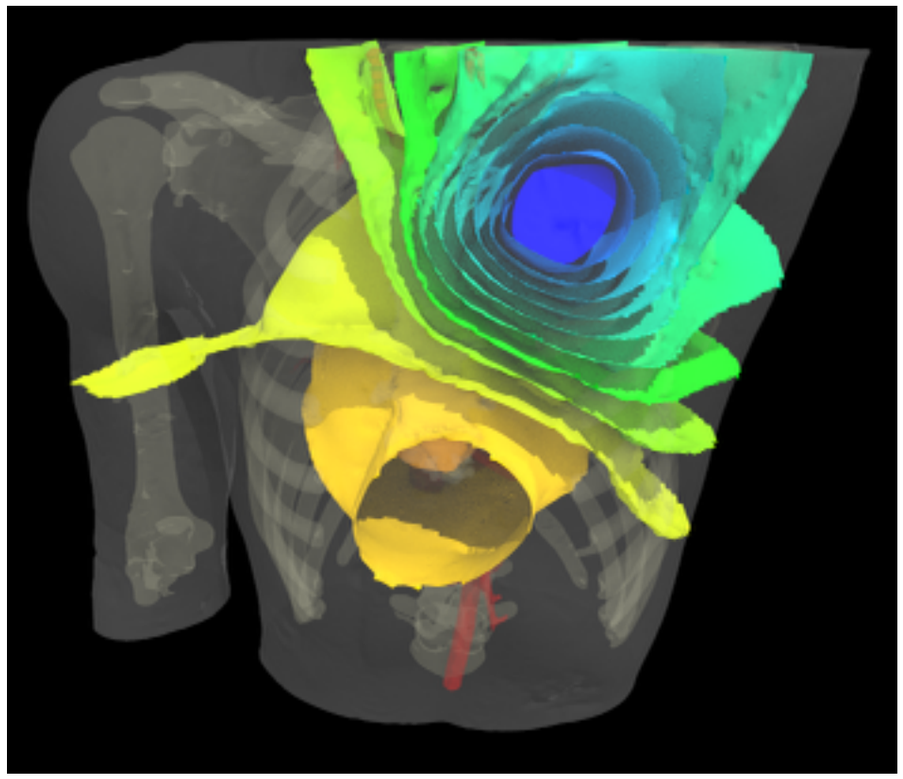
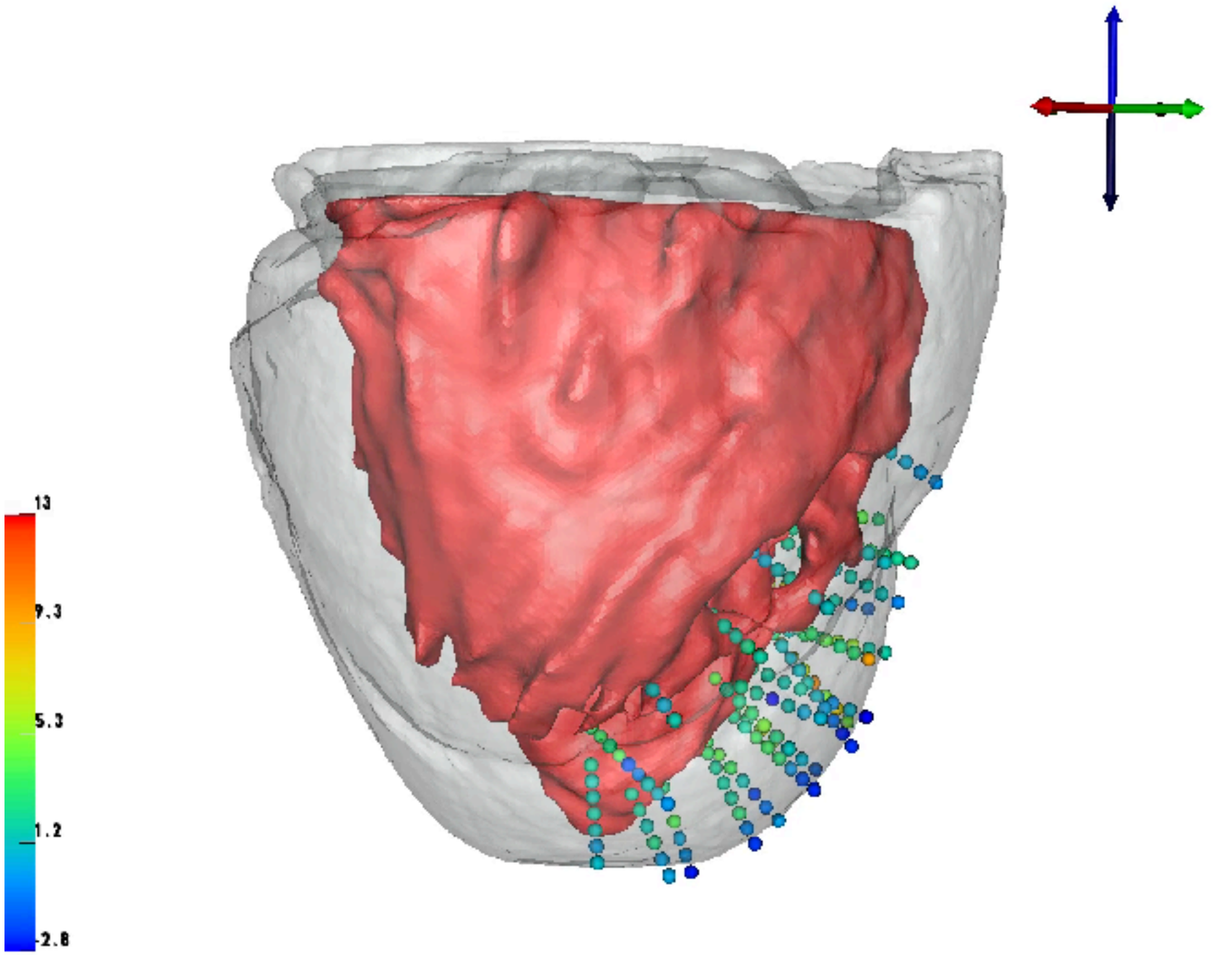
Visualization





Data Processing



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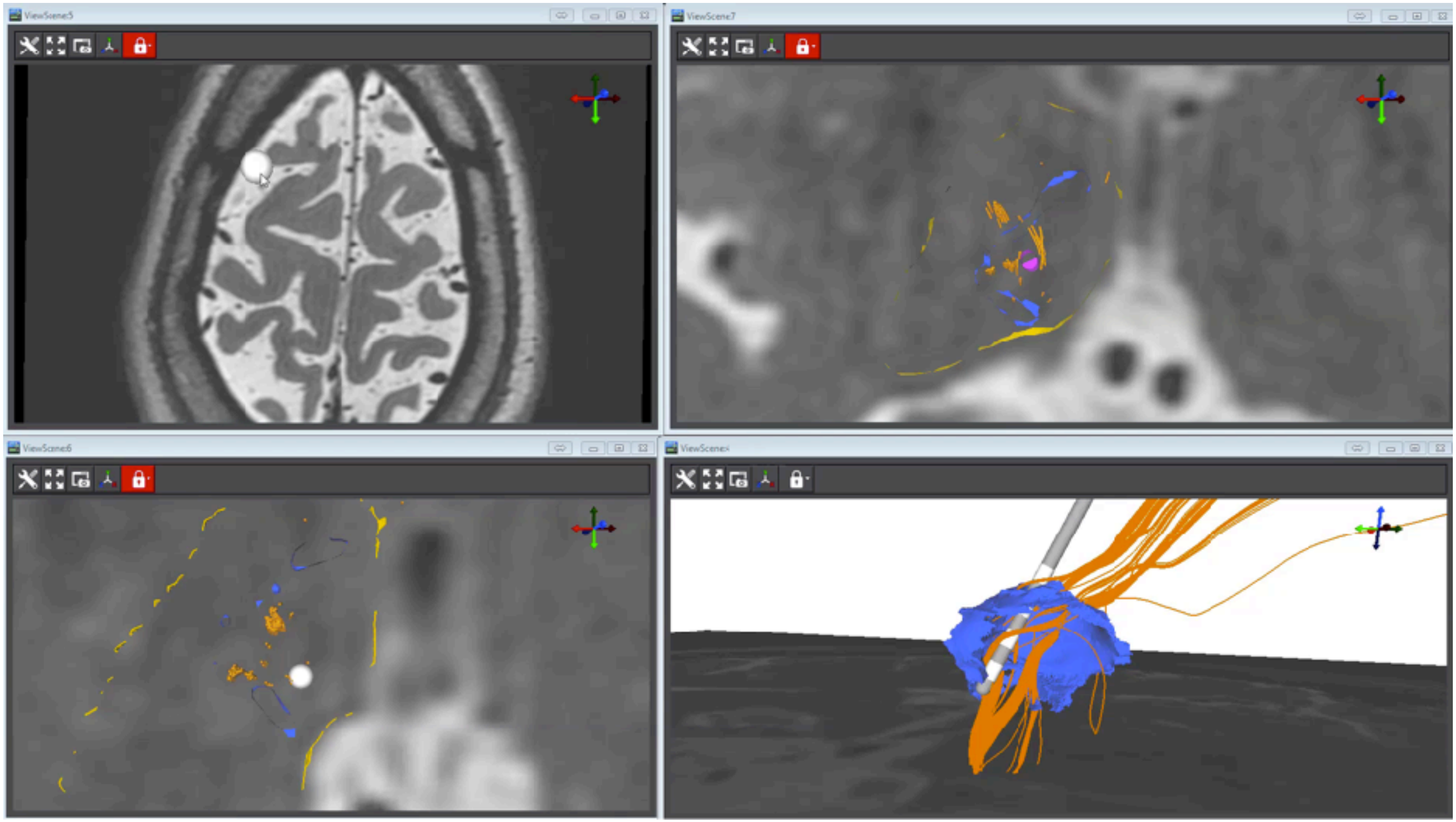

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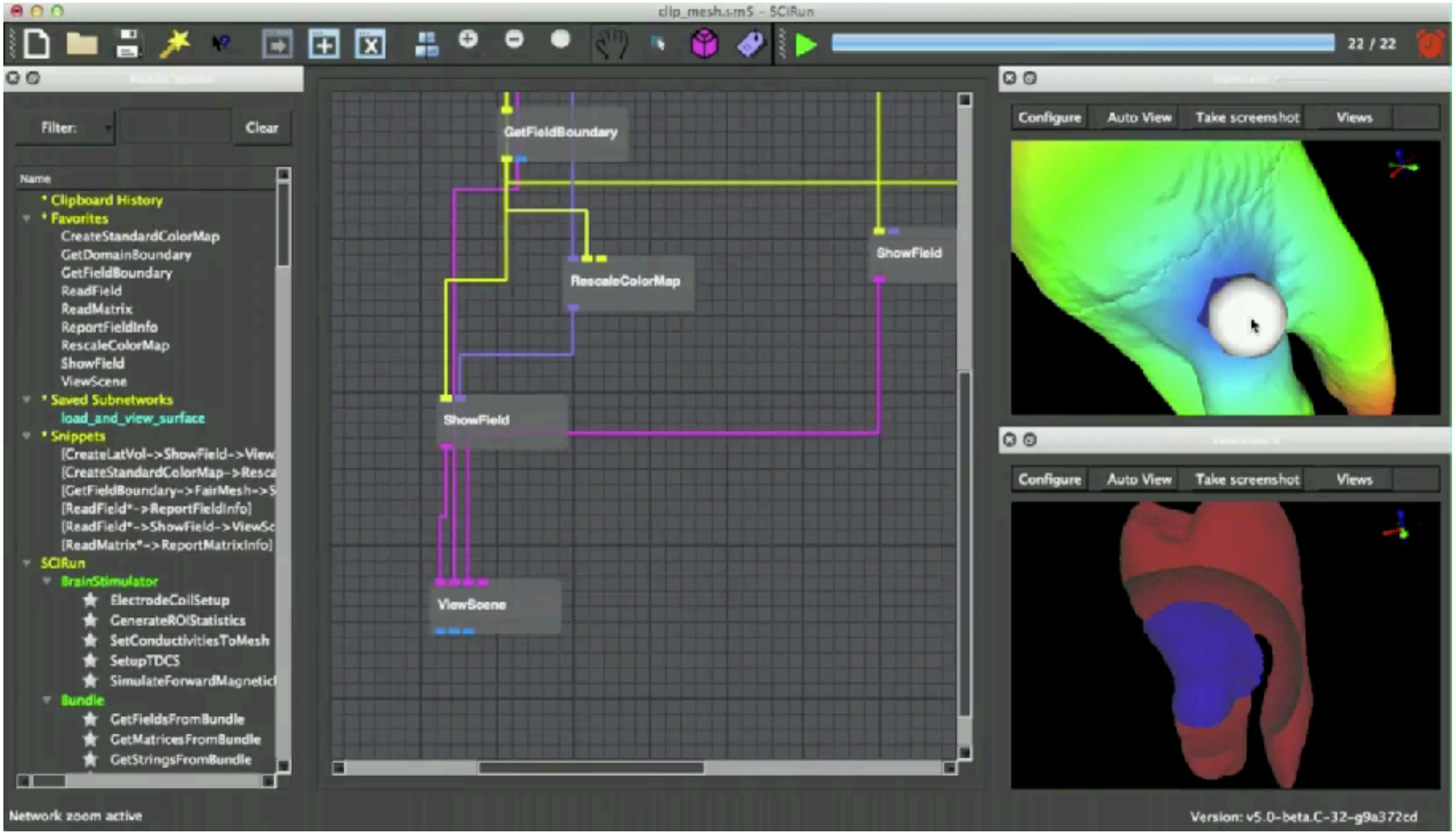
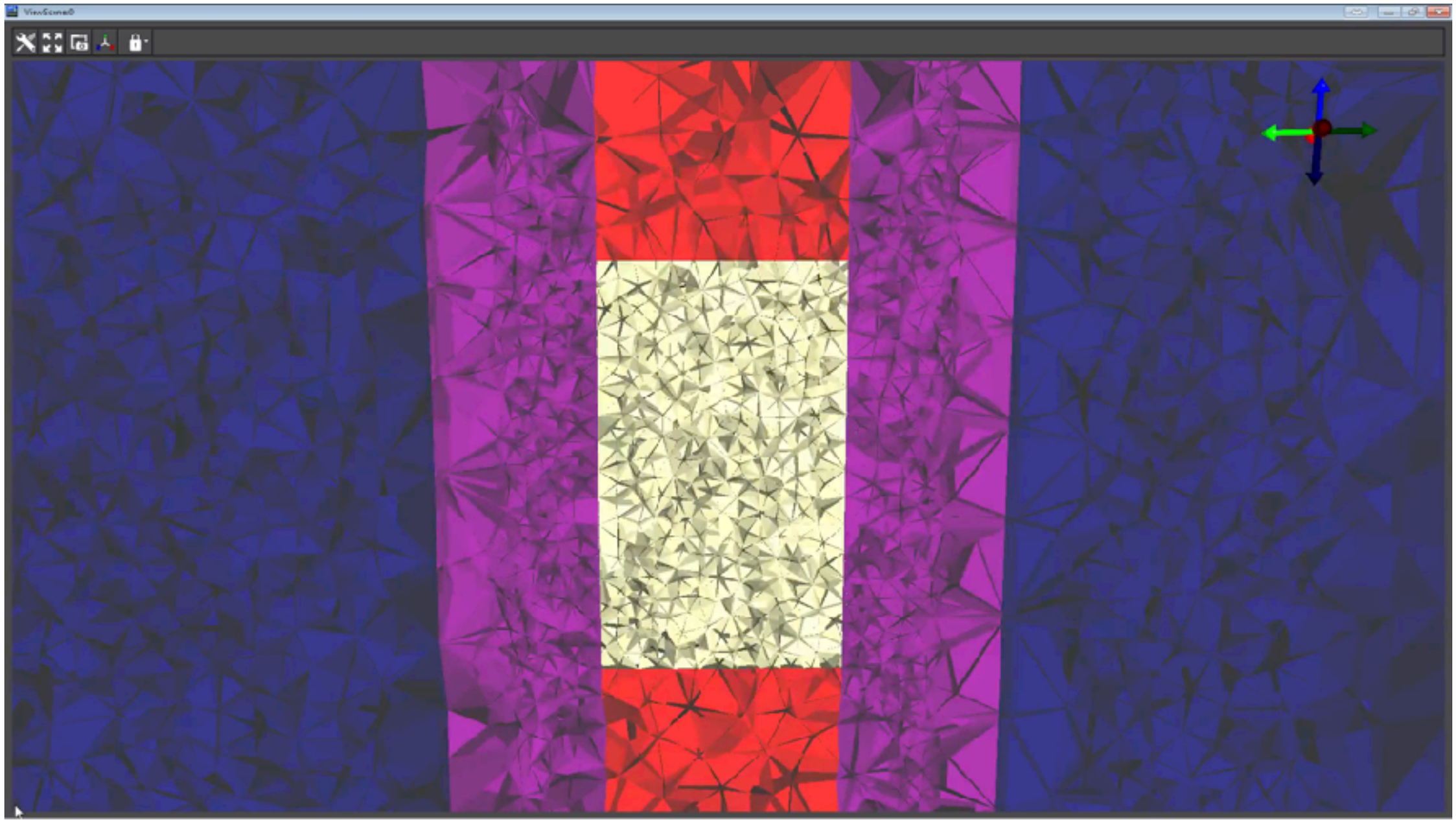
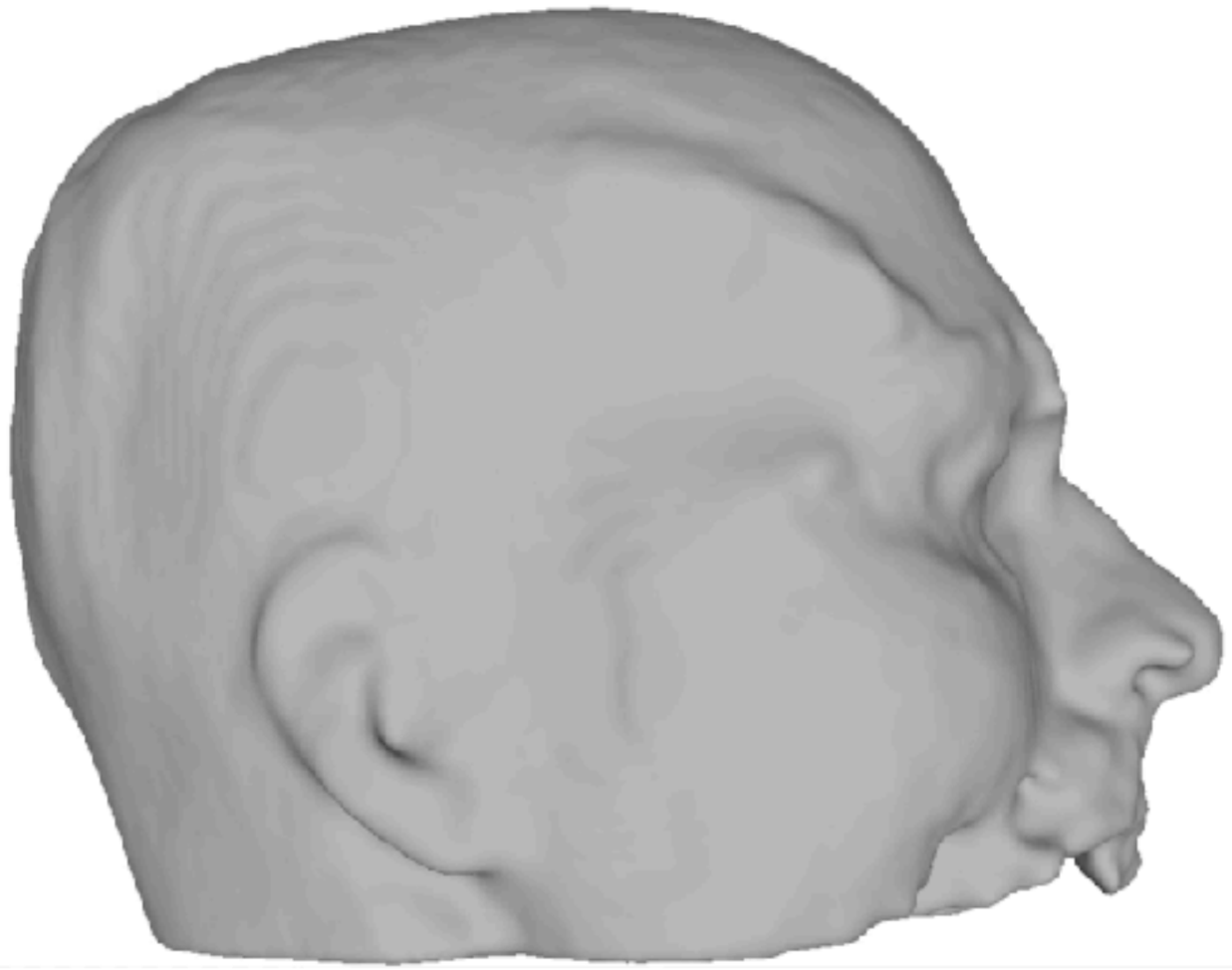
Geometry Processing



Meshing



Bioelectric Field Modeling



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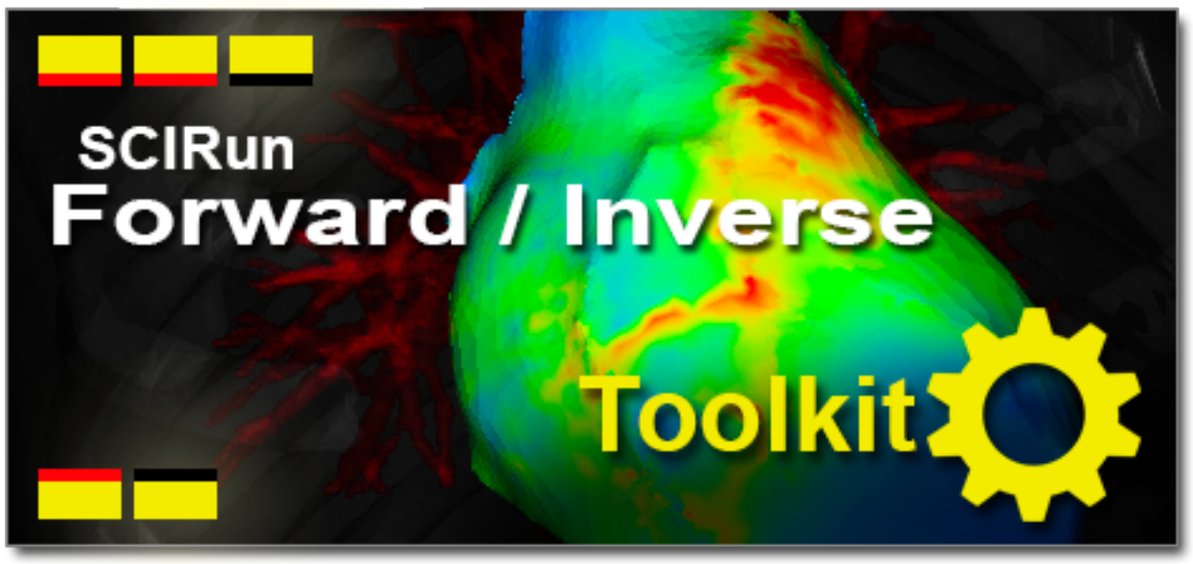
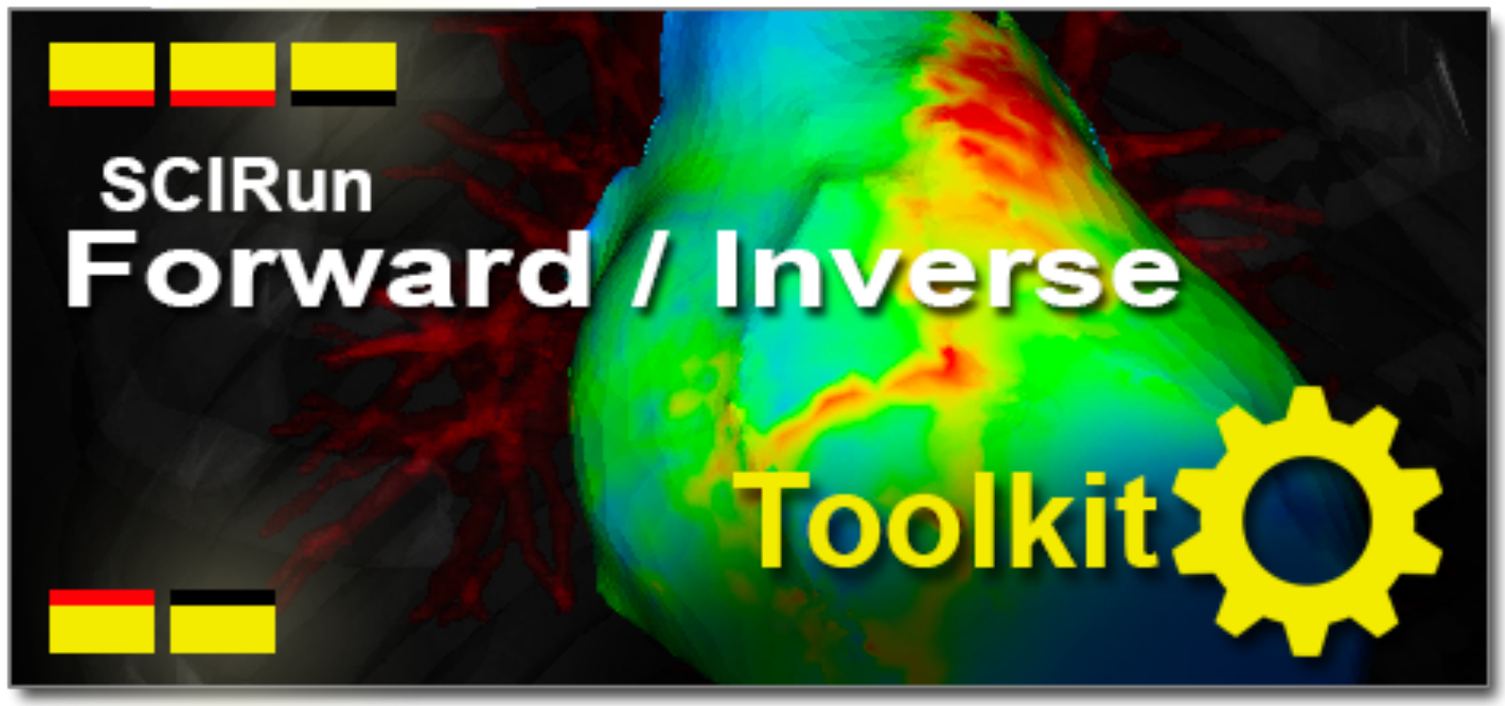
Toolkits

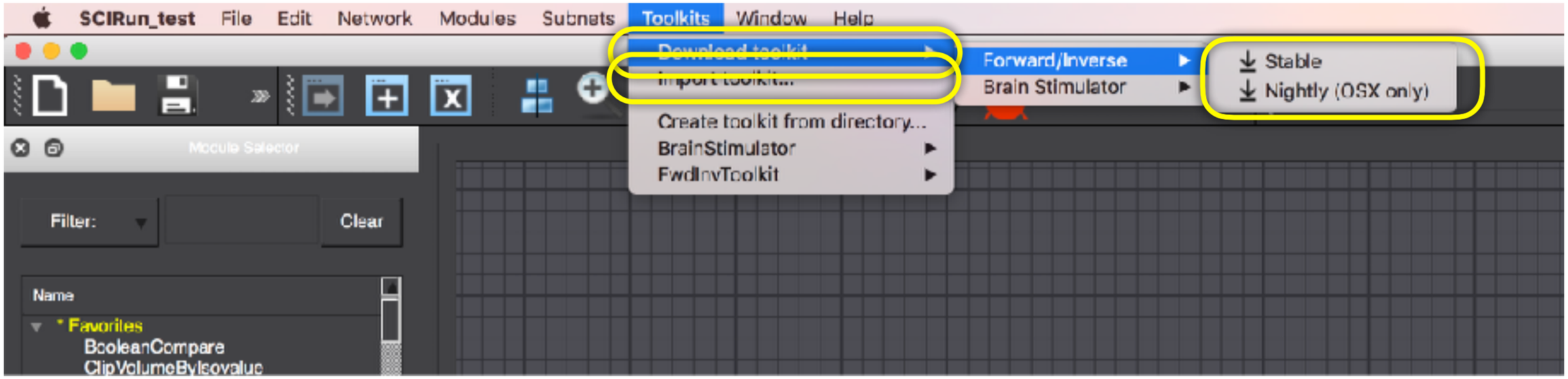

SCIRun 5.0 alpha
BrainStimulator
Toolkit


SCIRun
Forward / Inverse
Toolkit

Toolkits



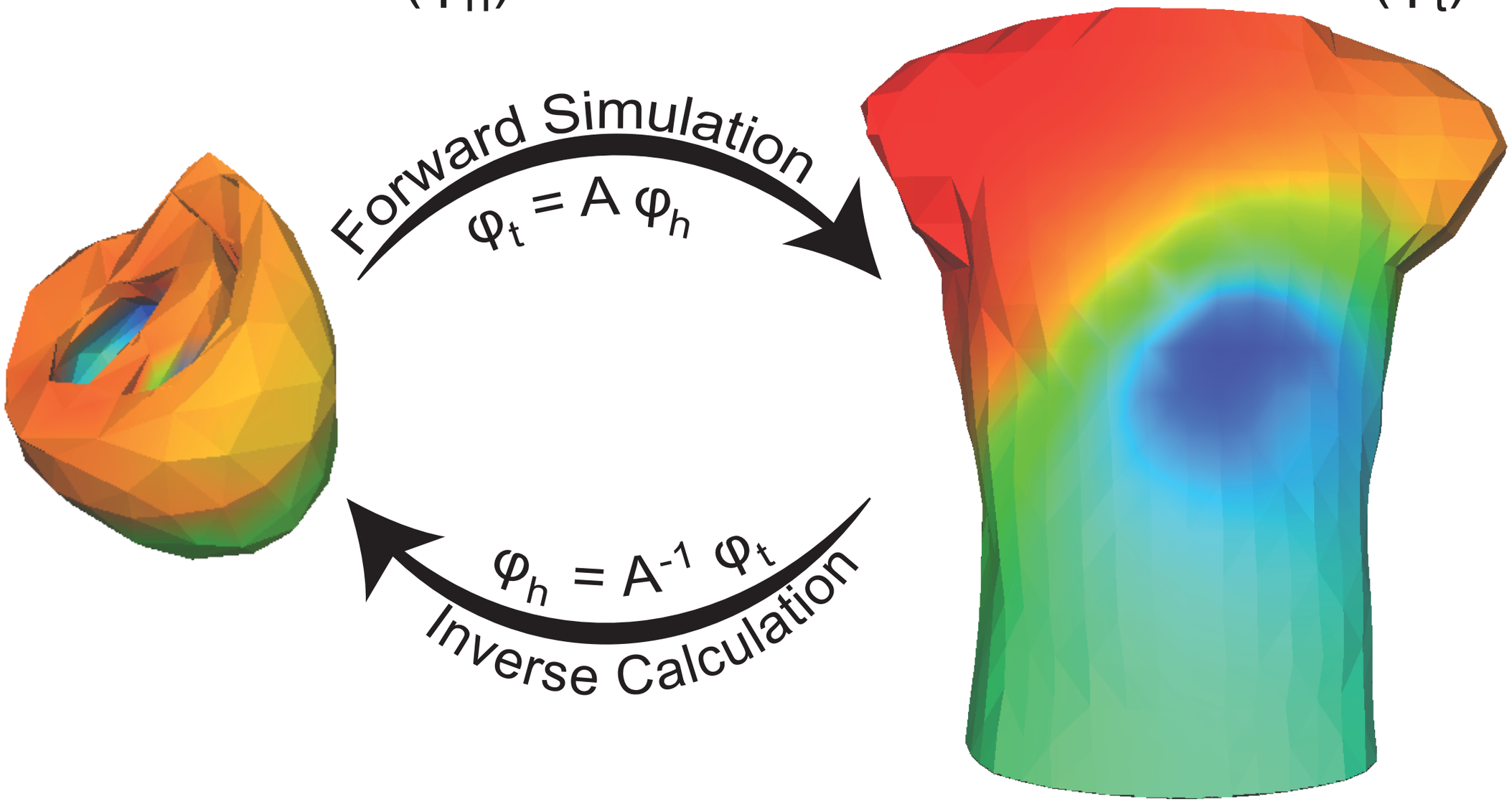
Toolkit Download



Fwd/Inv Pipeline

Heart Potentials (φ_h)

Torso Potentials (φ_t)



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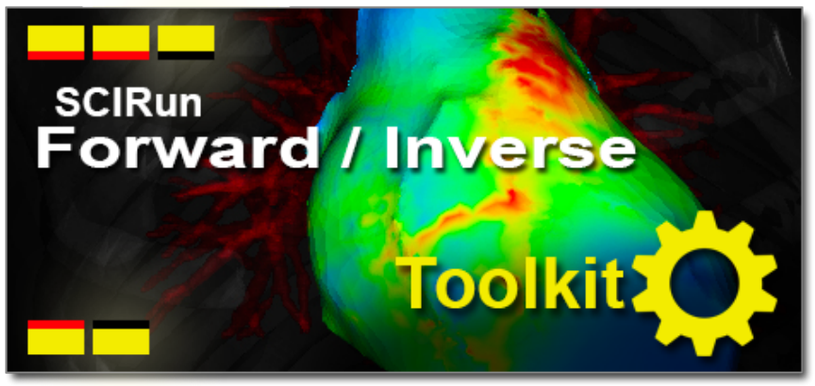
Fwd/Inv Toolkit



Tools in the Forward/Inverse Toolkit

	Forward	Inverse
Potentials	FEM BEM	Tikhonov Tikhonov SVD Truncated SVD Isotropy (Greensite) Gauss-Newton Wave-Based Total Variation Spline MFS
Activation Times	BEM (Through ECGSim)	Gauss-Newton Non-Neg TMP

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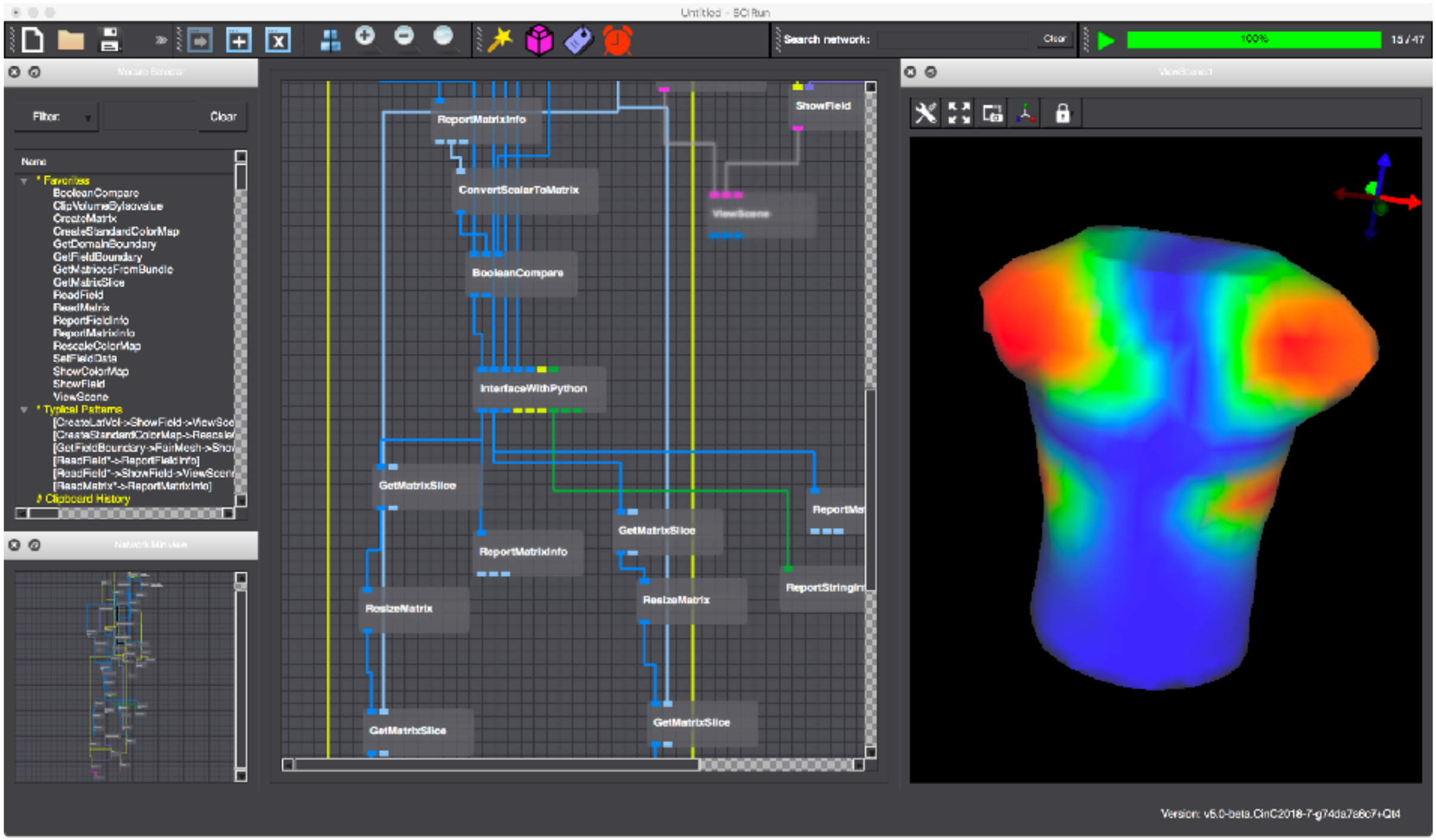
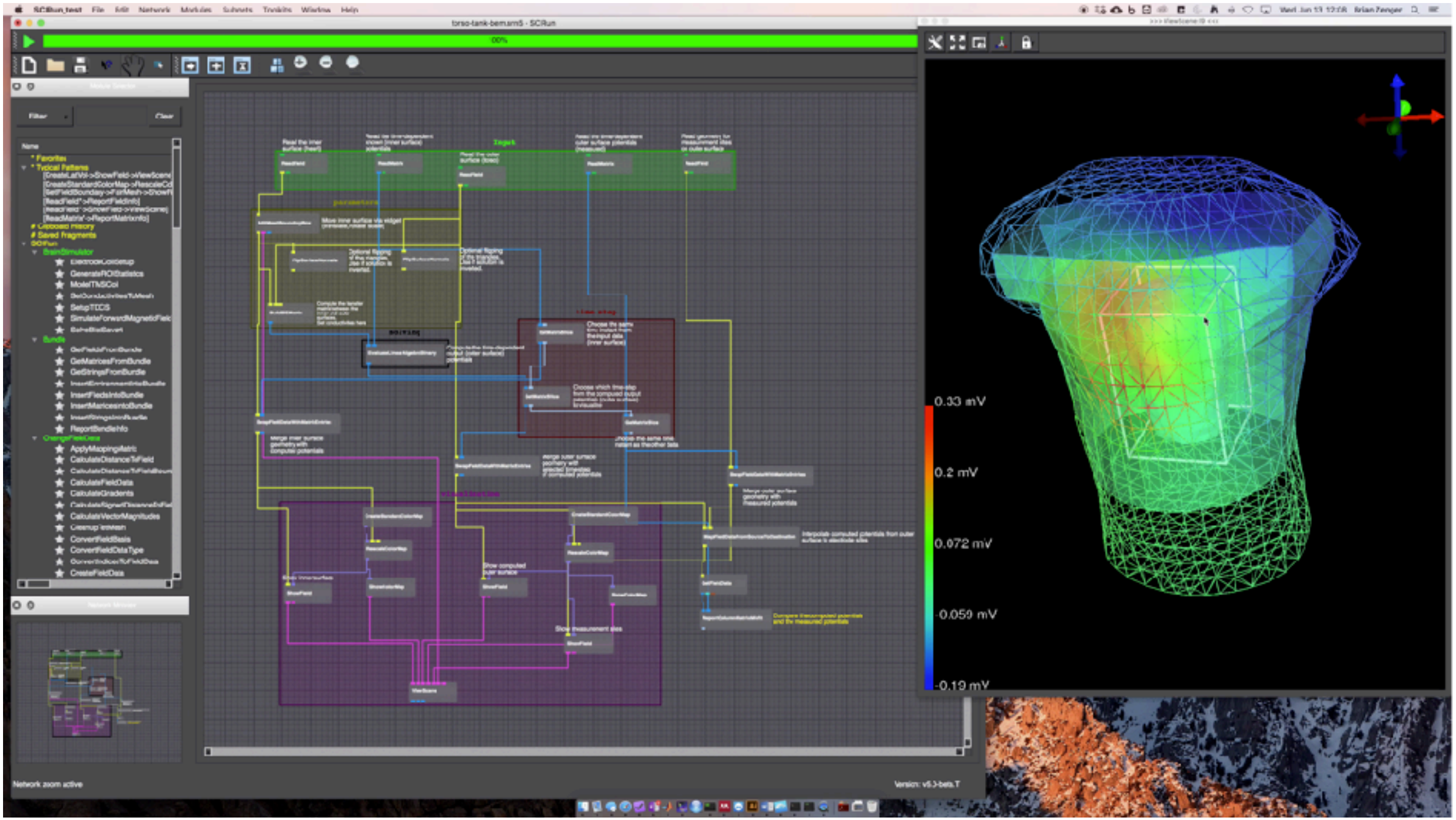
Uncertainty Quantification



Demo

ECG Forward



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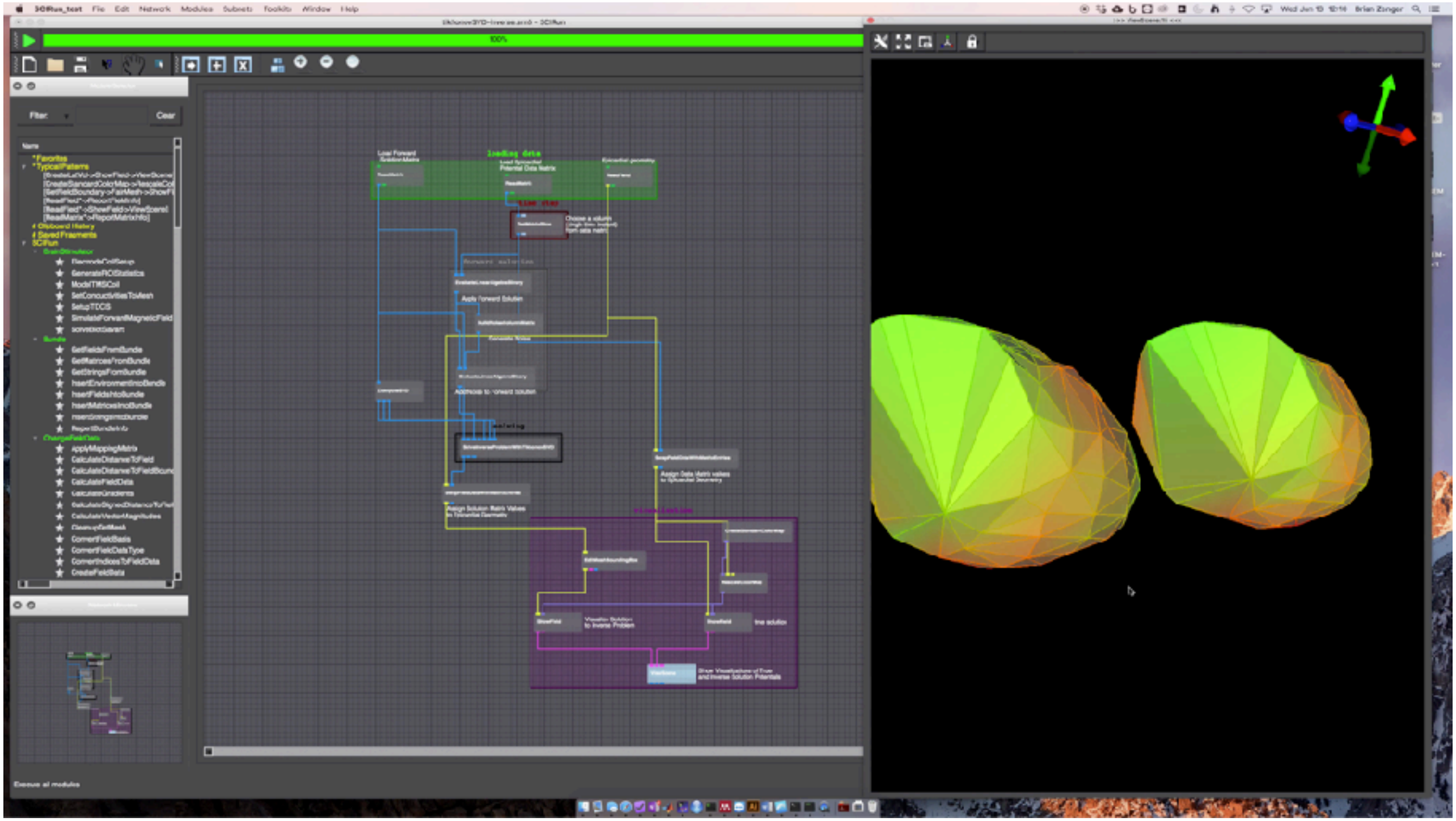
ECG Imaging



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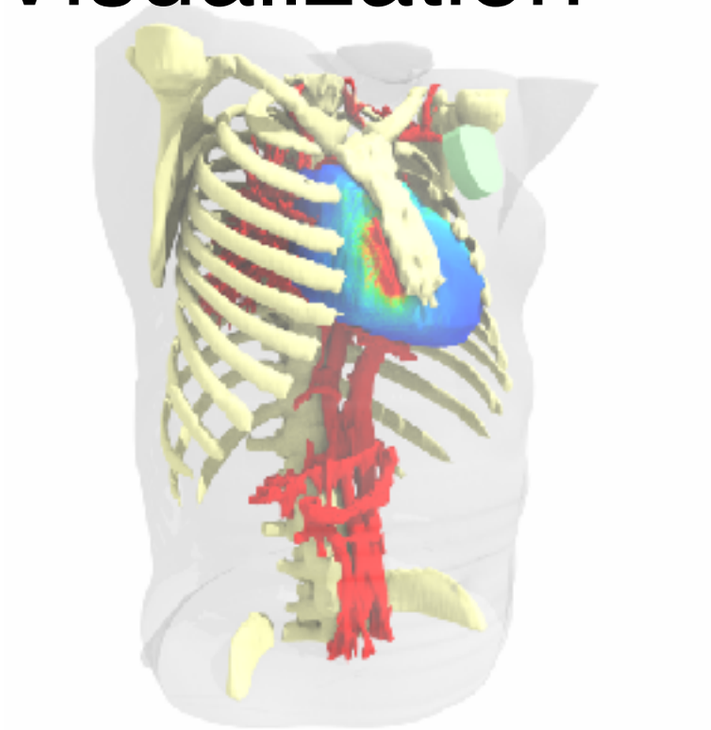
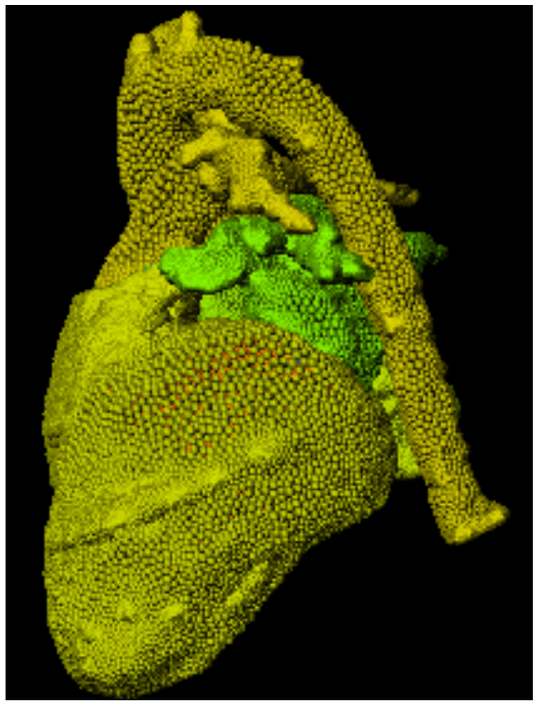
Computational Workbench

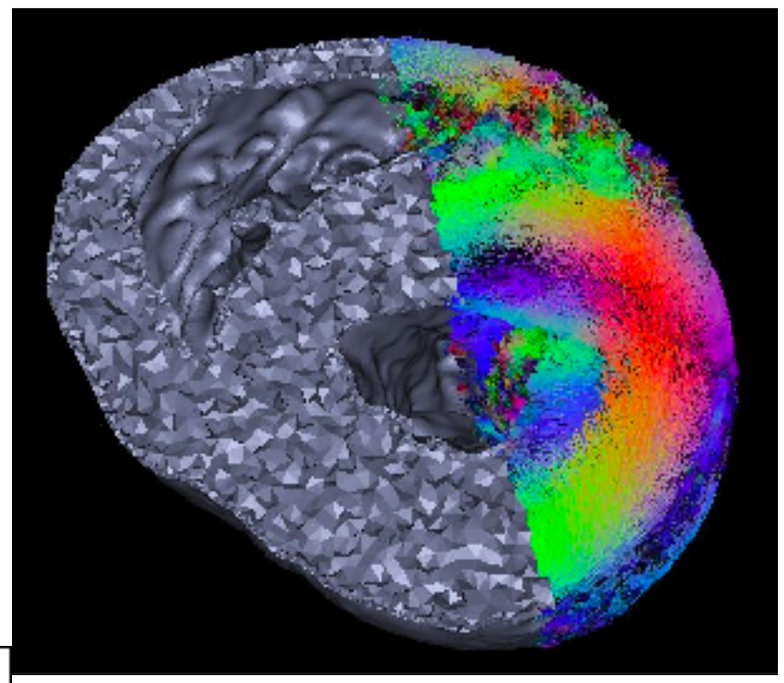
Visualization



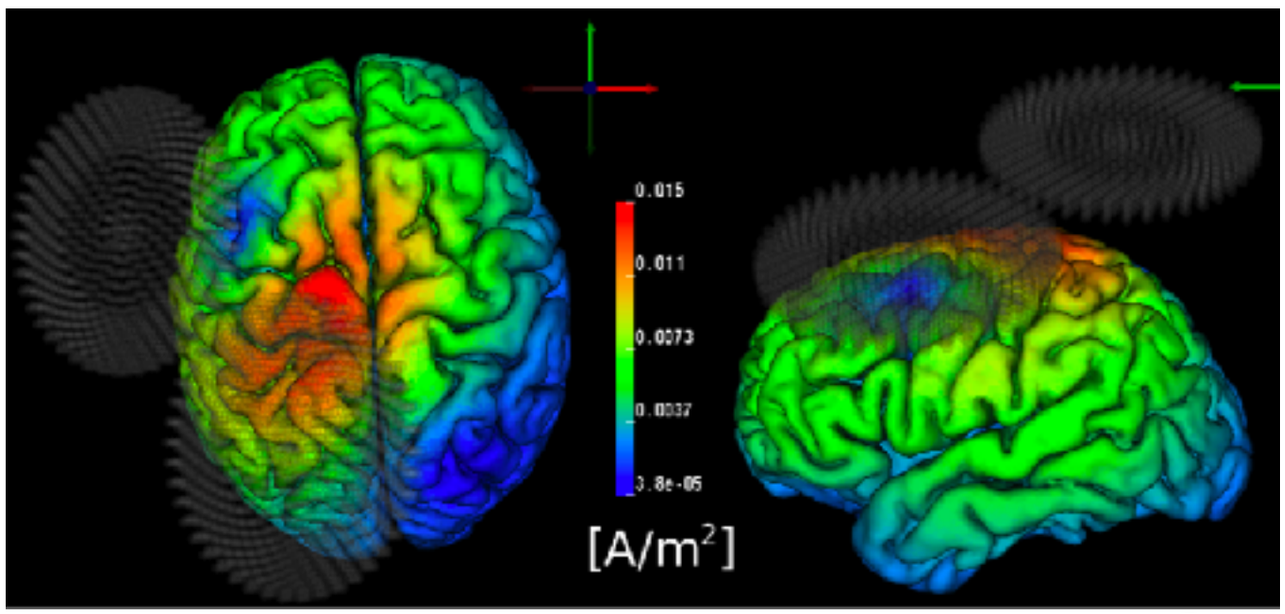
Geometric Modeling



Data Processing



3D Simulation



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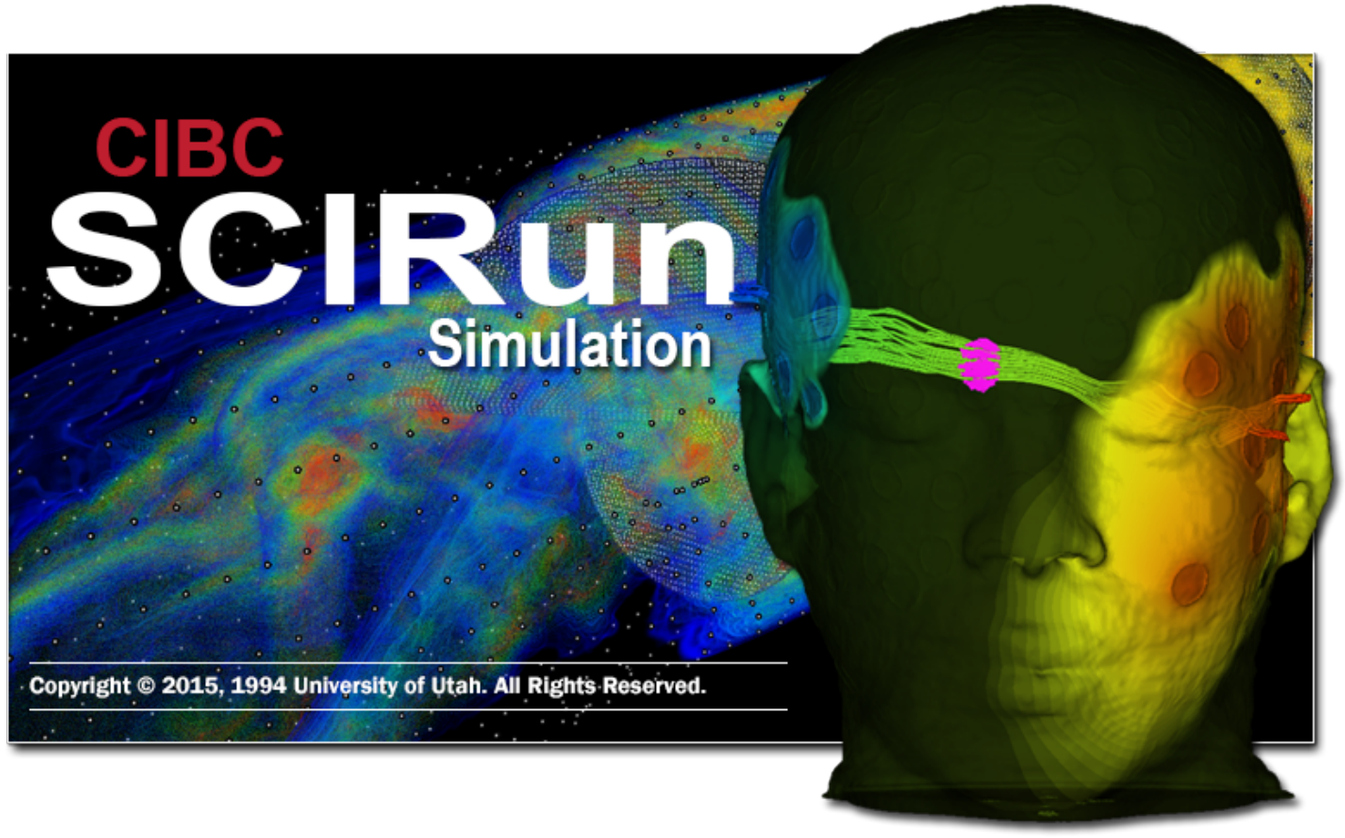

Integrate and Versatile

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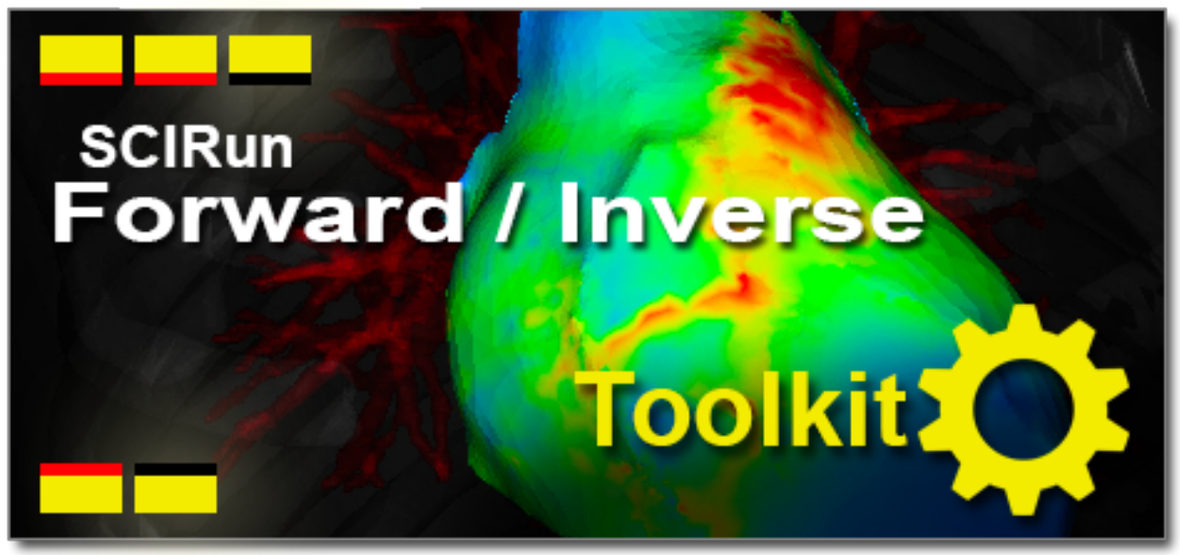

Please try the demos and ask us questions

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