

“Introduction to SCIRun” Class

Held at Northeastern University

August 21, 2006

David Weinstein
Jeroen Stinstra
Dav de St. Germain

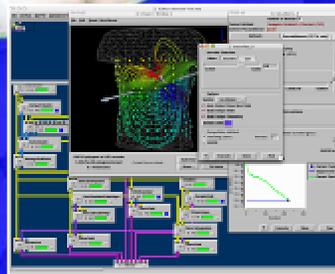
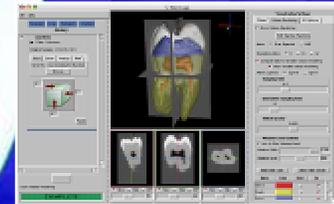
NIH-NCRR Center for
Integrative Biomedical
Computing (CIBC)

Scientific Computing and
Imaging Institute (SCI)

University of Utah

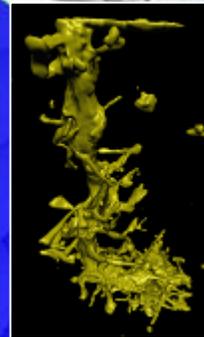
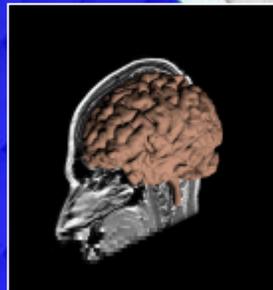
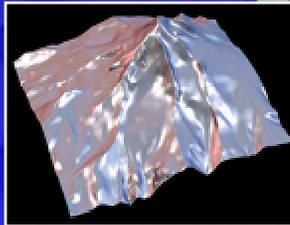
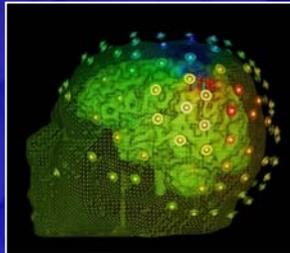
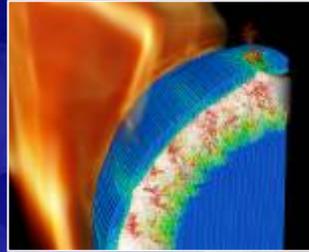


VISUALIZATION



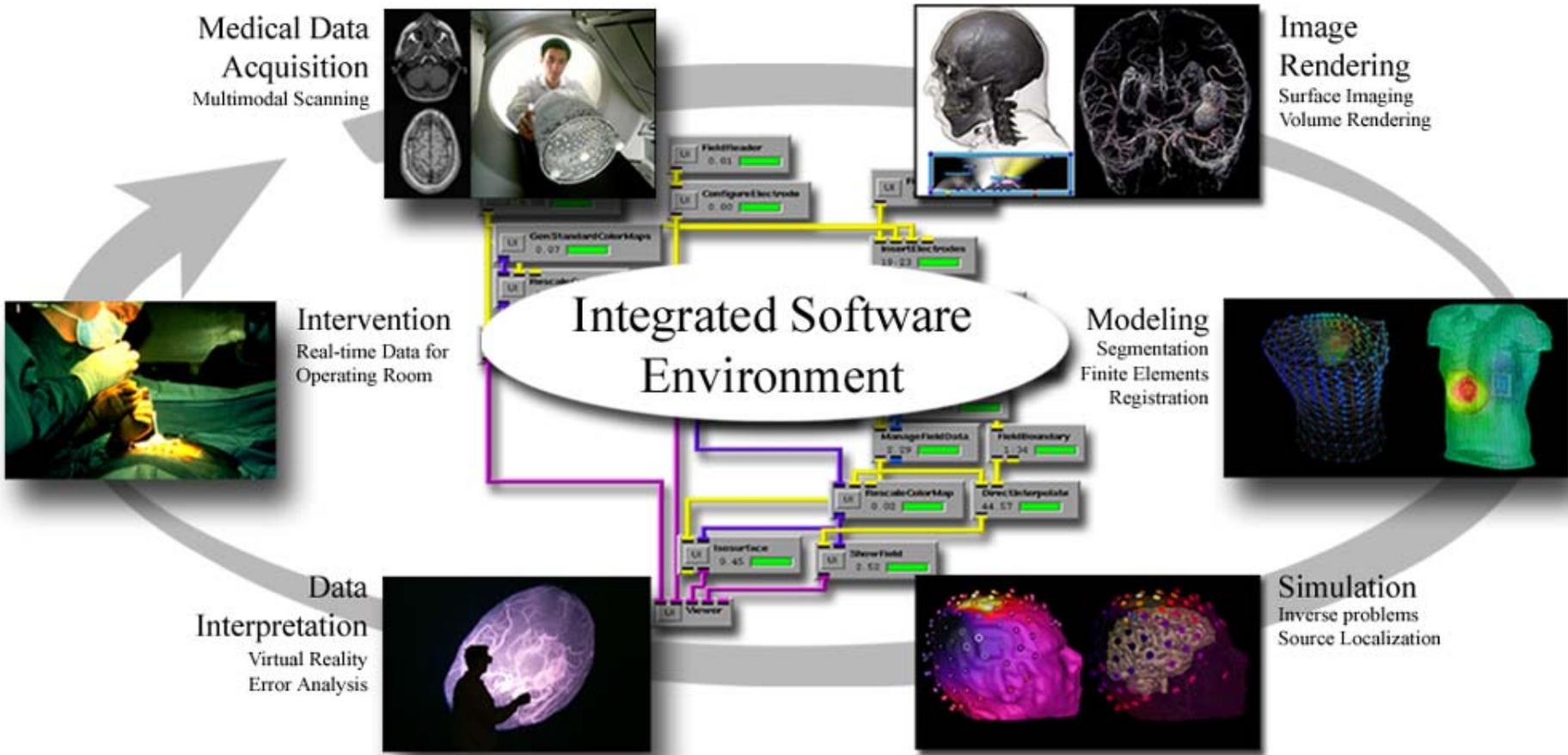
APPLICATIONS

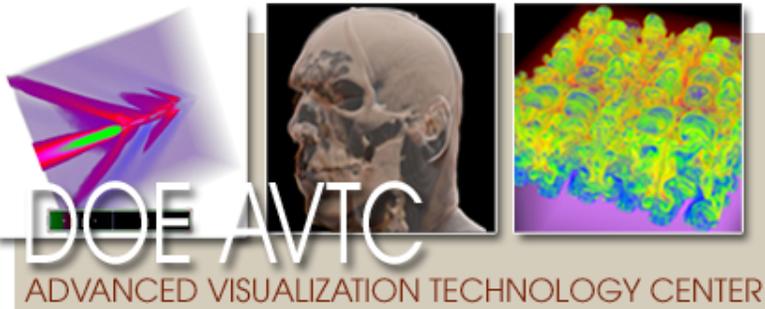
**Research
at SCI**



IMAGING

COMPUTING



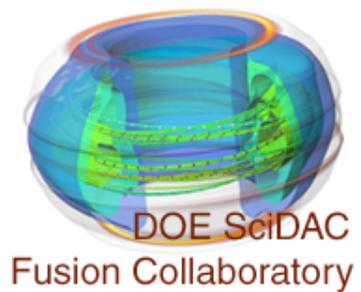


DOE AVTC

ADVANCED VISUALIZATION TECHNOLOGY CENTER



NIH/NCCR Center for Integrative Biomedical Computing

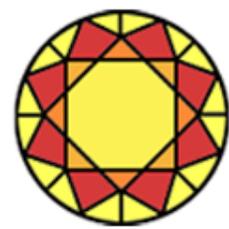


DOE SciDAC

Fusion Collaboratory



SDM
CENTER



CCA
Common Component
Architecture

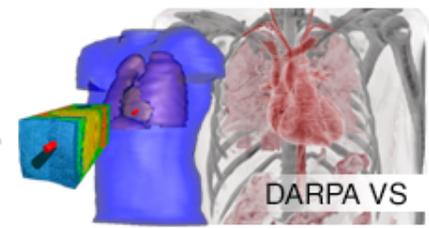


SCI
INSTITUTE

DOE ASCI C-SAFE



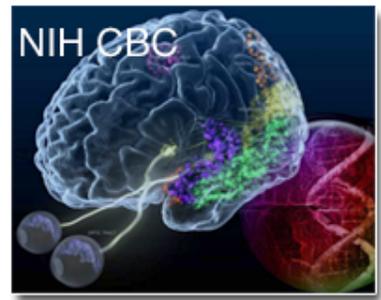
C-SAFE
UNIVERSITY OF UTAH



DARPA VS



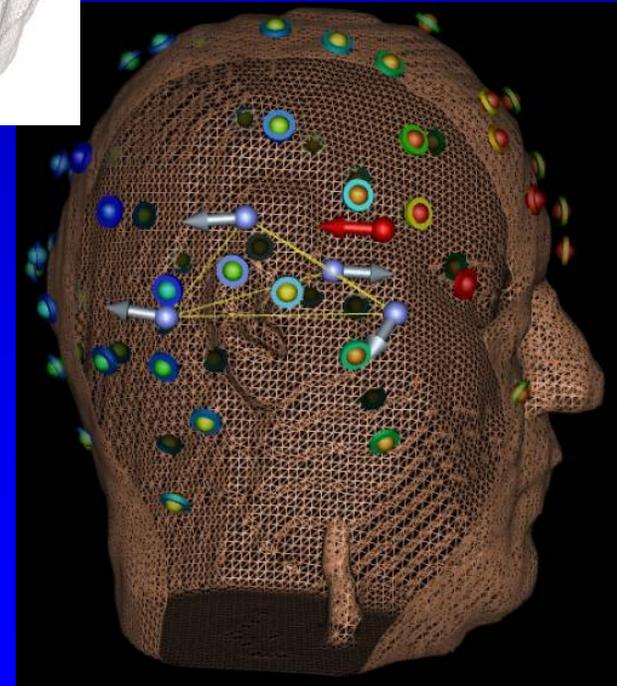
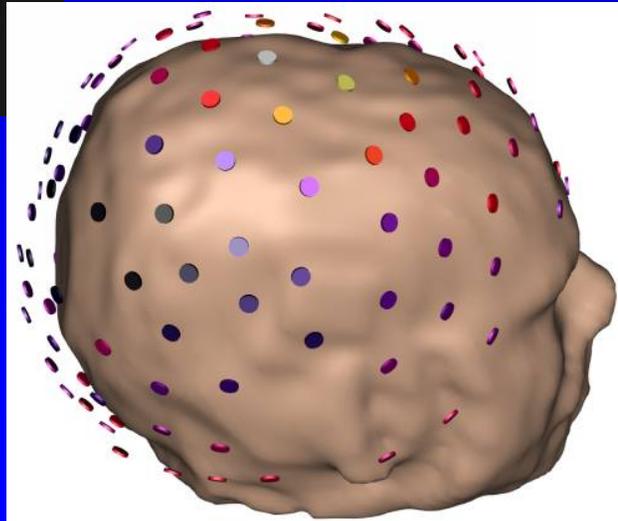
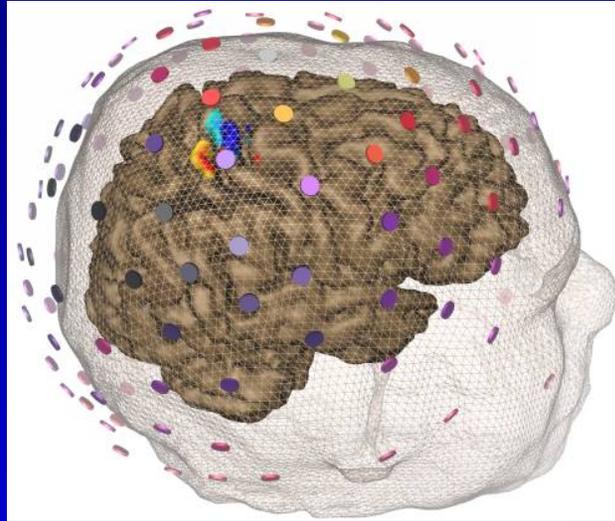
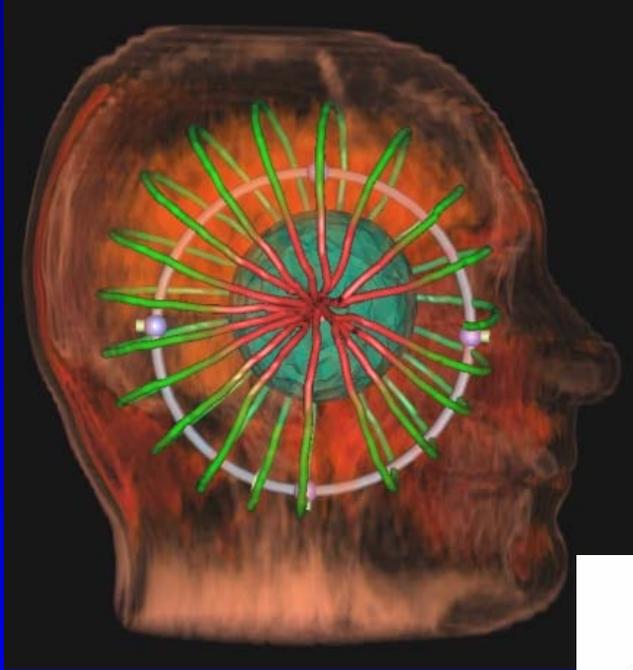
NIH NAMIC



NIH CBC

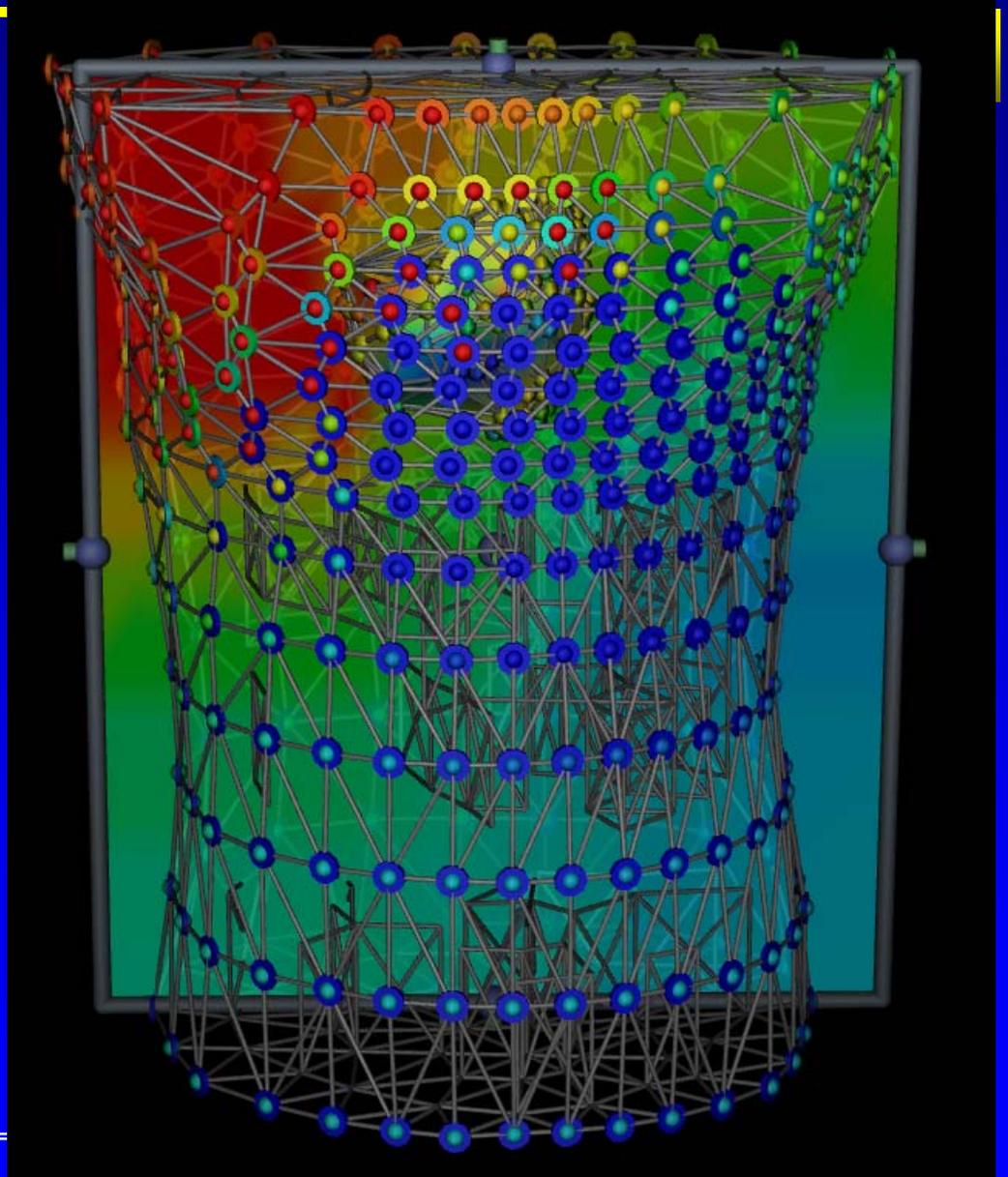
Forward and Inverse EEG

Introduction



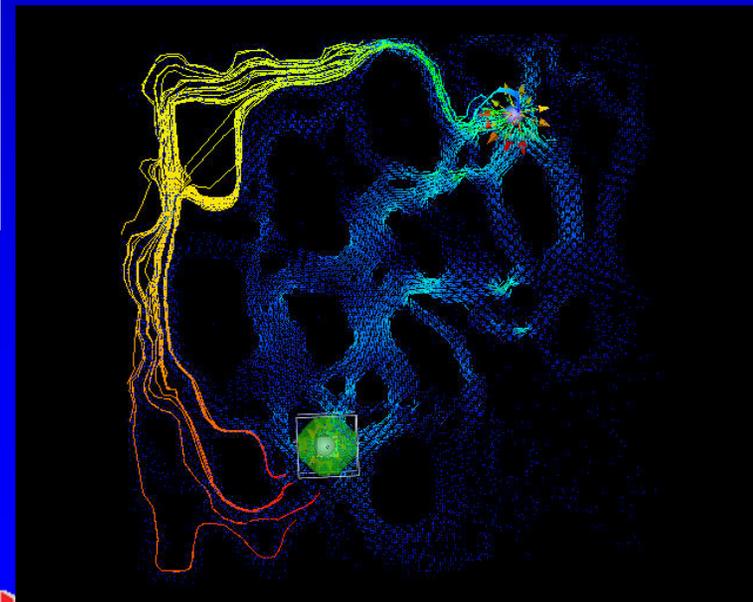
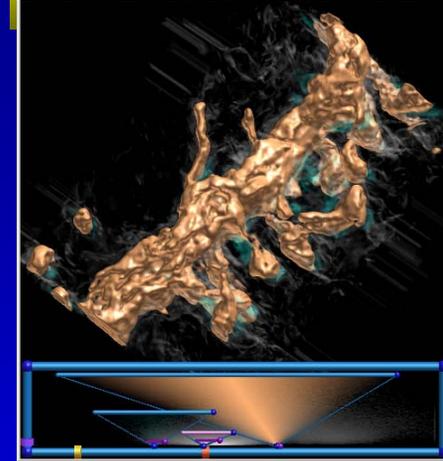
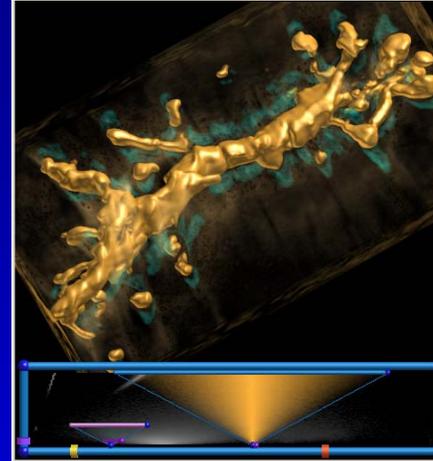
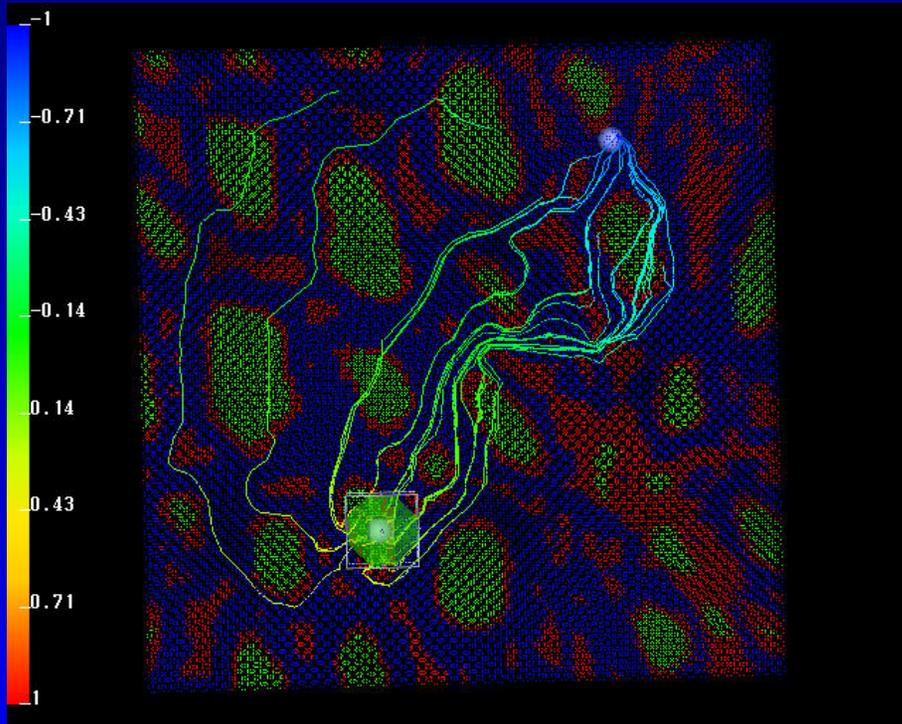
Electrocardiography

Torso Tank in BioPSE



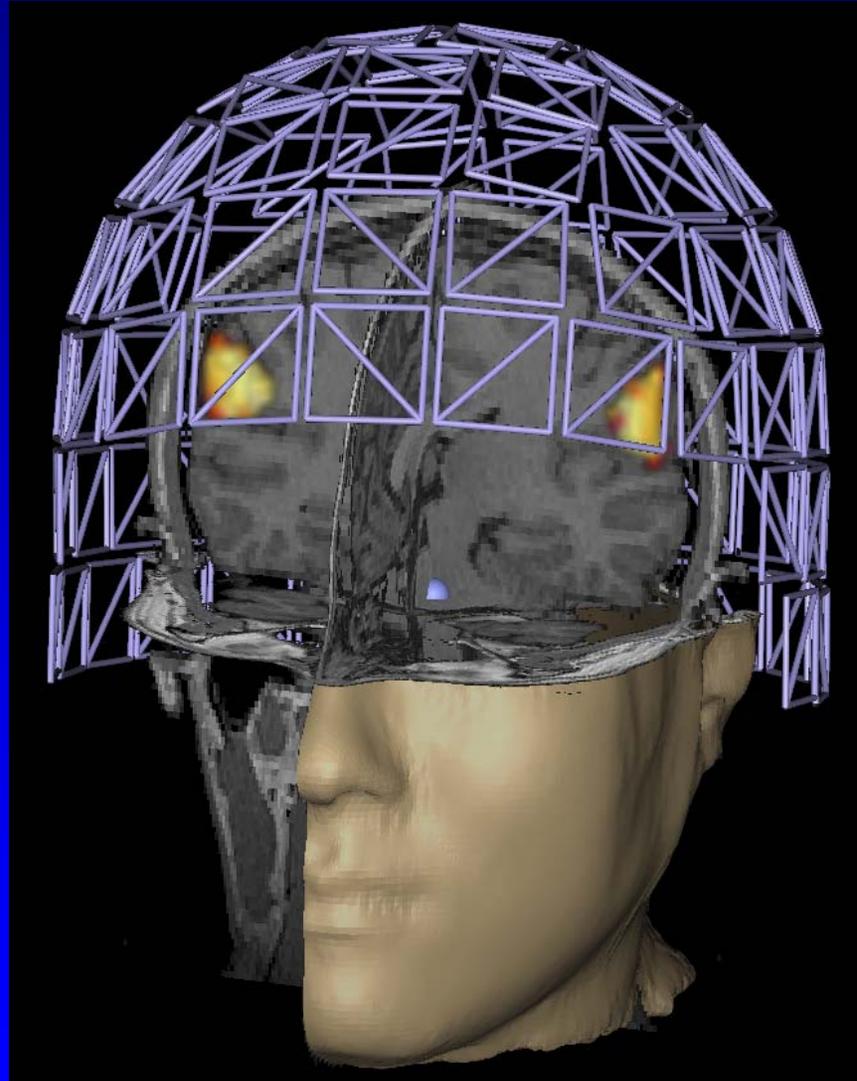
Neural Modeling and Visualization

Introduction



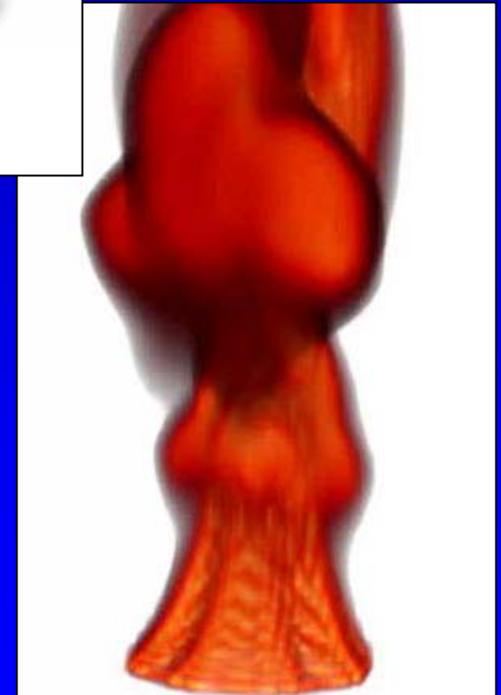
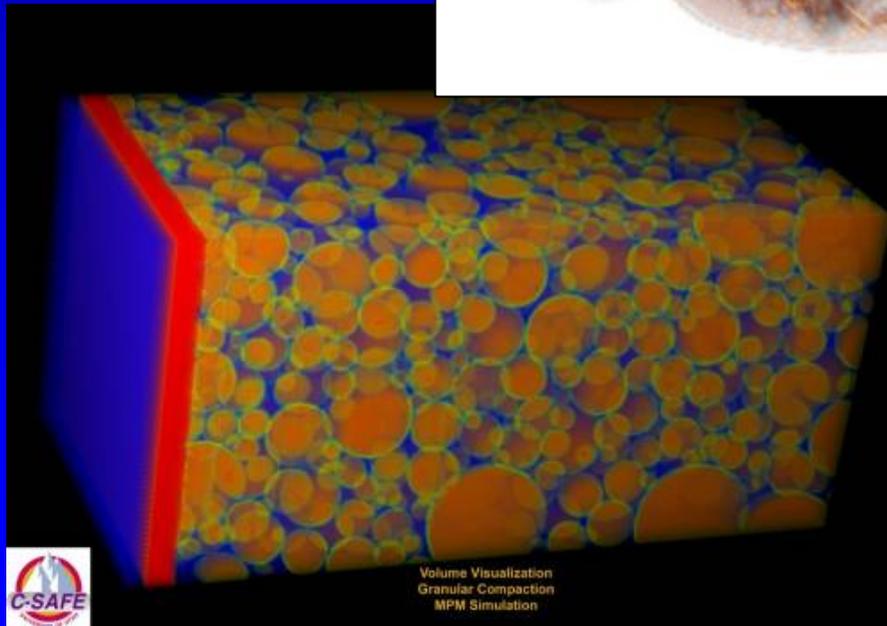
Magnetoencephalography

Introduction



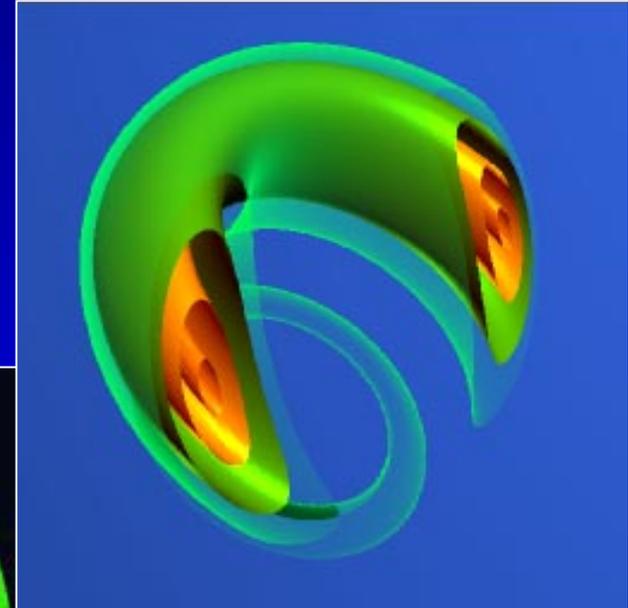
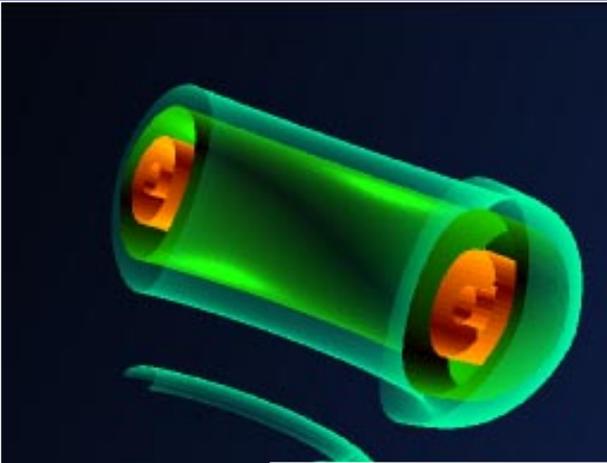
CSAFE: Fire-spread

Introduction



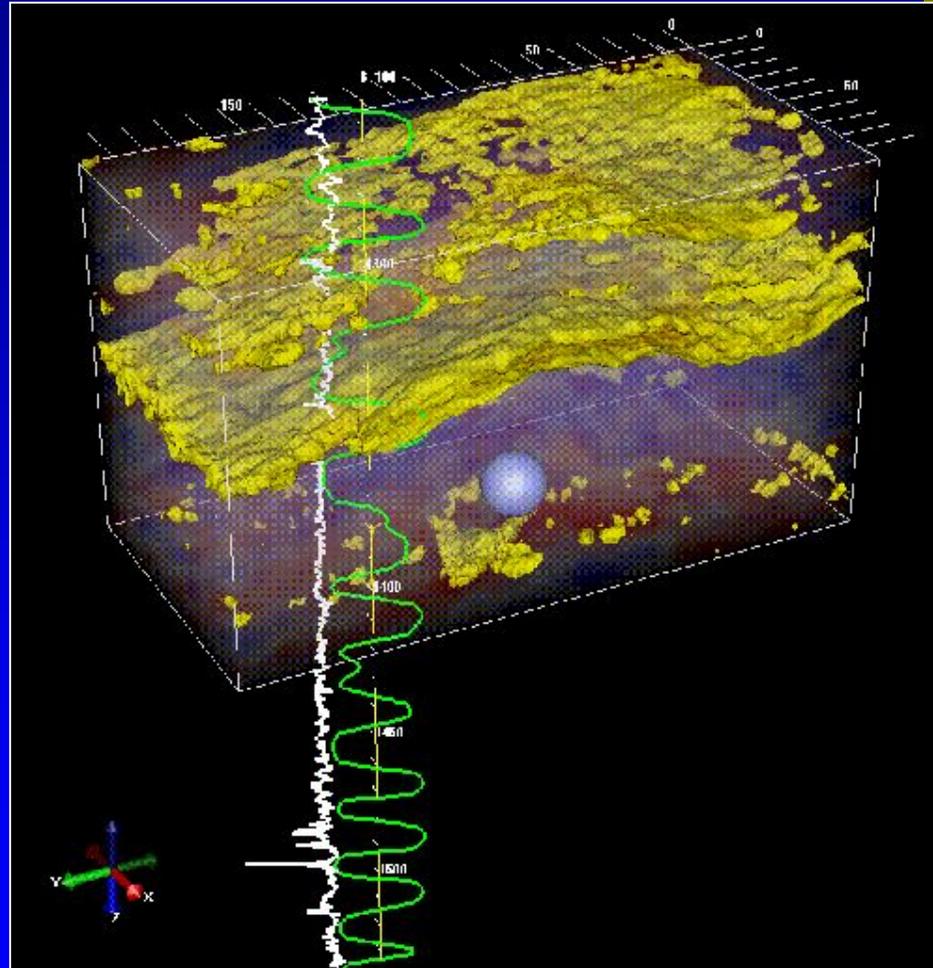
Nuclear Fusion: Tokamak

Introduction



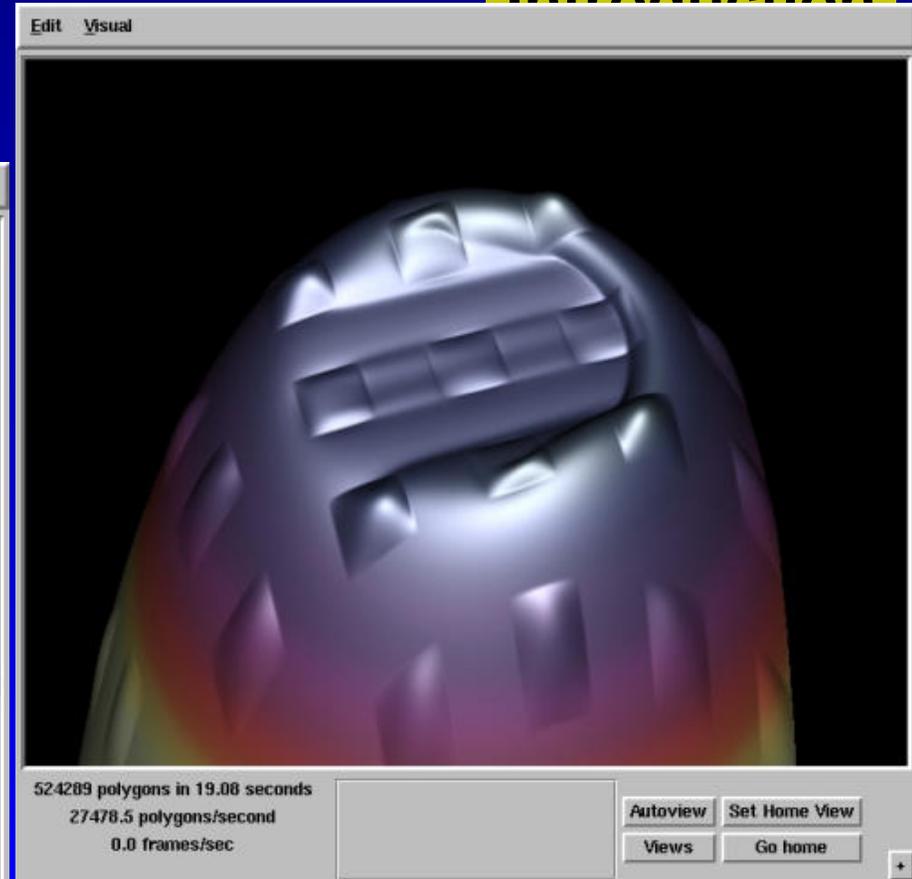
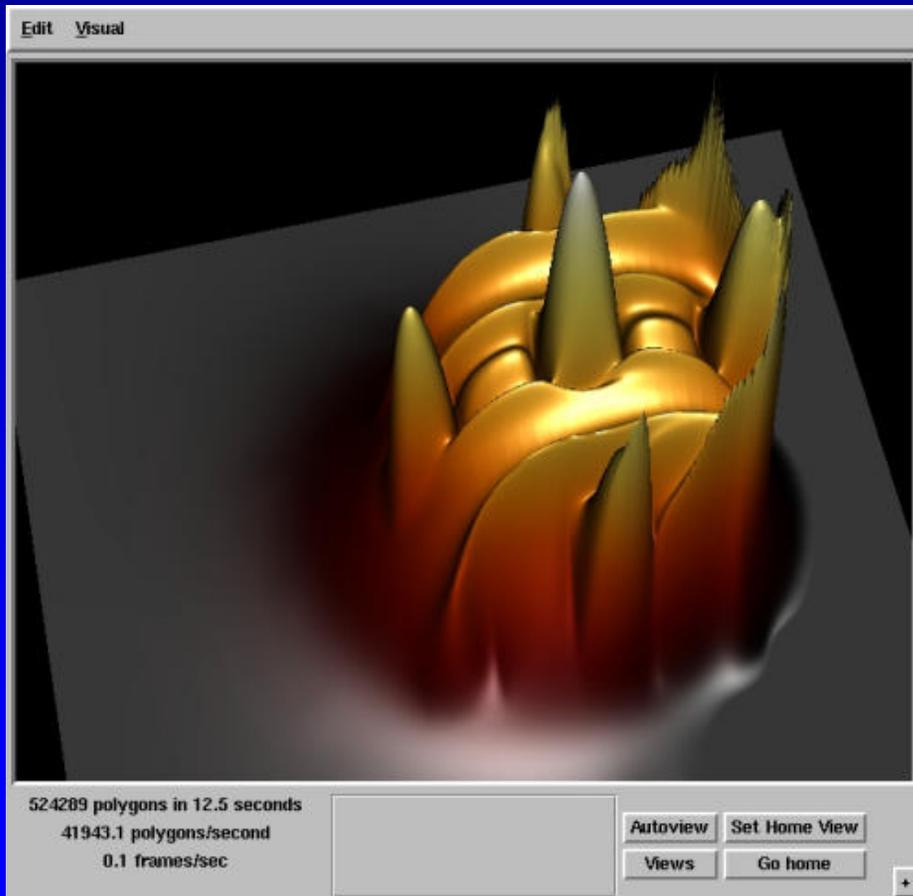
Seismic Data Visualization

Introduction

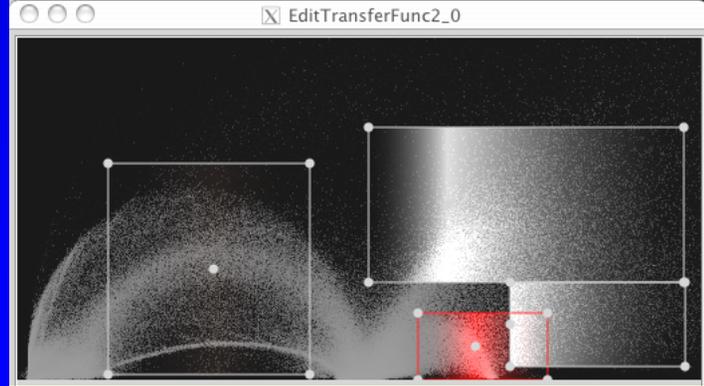
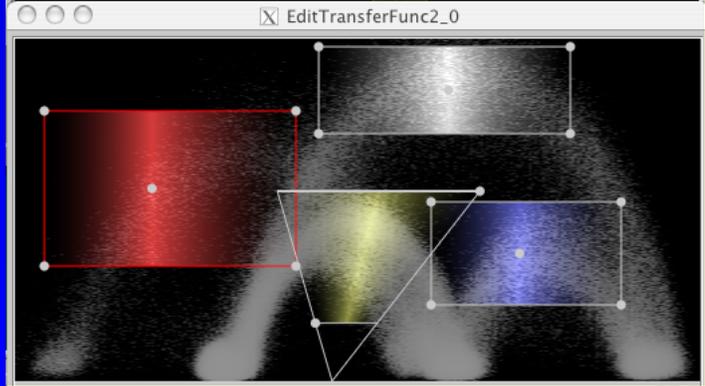
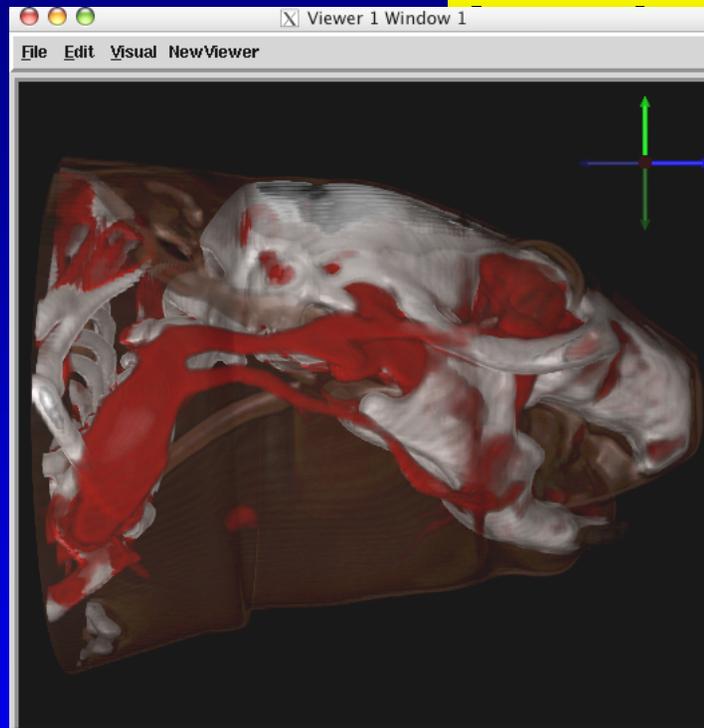
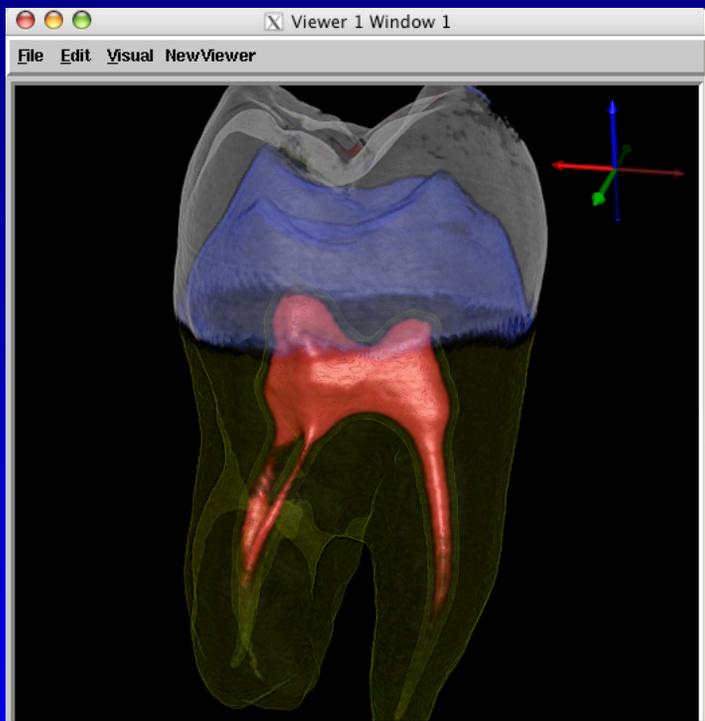


Elastohydrodynamic Lubrication (EHL)

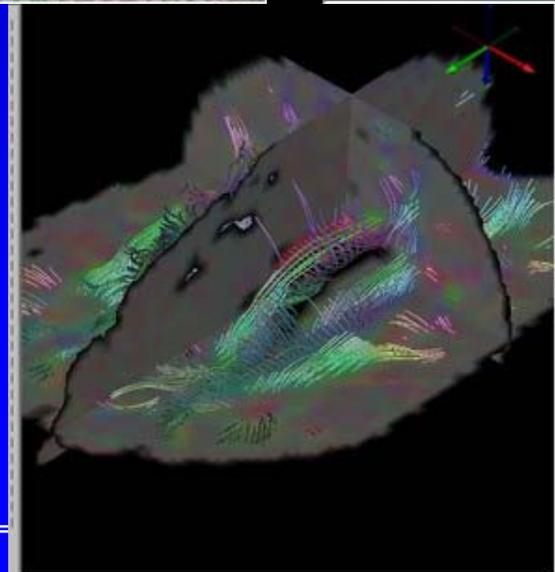
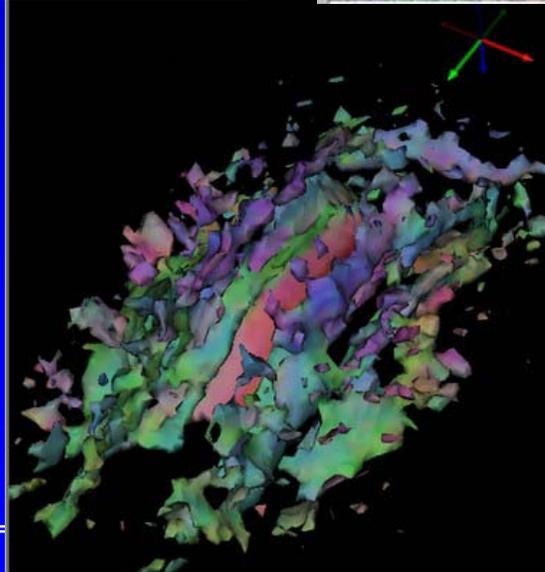
Introduction



Medical Volume Rendering



Diffusion Tensor Imaging



Demos

Introduction

1. Dataflow: Torso Simulation
2. PowerApp: BioFEM
3. PowerApp: BioImage