

# An Introduction to VisIt

Parallel, Distributed Visualization Software

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# Features

- Distributed - the compute engine can operate remotely while the image is viewed locally.
- Parallel - can run over multiple cores for faster visualization of large data sets. Large data sets may in fact require parallel execution to have enough memory.



# Features (2)

- Scriptable - VisIt can save the actions you take to create a visualization and generate a Python script that VisIt can run later.
- A pretty darn good GUI
- User can write plugins that deal with unusual data formats.

# How do I get it?

- Download from <https://nci.nlm.gov/codes/visit/downloads.html> Building visit was straightforward but long. Adding the plugin was a little different than the instructions indicated.
- I have a build for Mac Snow Leopard machines with the GCRM plugin
- On Mac, launch from command line in terminal window



# The GCRM plugin

- Developed for the geodesic grid. <https://svn.pnl.gov/gcrm/wiki/visit>
- parallel version under development

# Documentation

- <https://wci.llnl.gov/codes/visit/home.html>
- Caveat: the manual has not quite kept up with the software.