The LaGriT demo's presented at the CFEM07 workshop have been added to
the http://meshing.lanl.gov web pages.

The demos, with LaGriT input control files and some of the output GMV
files can be found under:
http://meshing.lanl.gov/proj/crustal_dynamics_CFEM_2007/LaGriT_Mesh_Generation_Demos_CFEM_2007.html

The demos are:
Demonstration of the building a simple mesh and use of PSET (point set)
command:
Simple example of inserting a fault surface into a 3D mesh that is small
and runs quickly:
Simple example of inserting a fault surface into a 3D mesh:
Insert a fault surface with a uniform buffer around the fault so the
fault forms a volume instead of a surface:
Insert a fault surface with a wider uniform buffer around the fault so
the fault forms a volume instead of a surface:
Insert three faults into a tet mesh:
Subduction zone model (2D) with only slab as a separate material:
Subduction zone model (2D) with only slab as a separate material:
Subduction zone model (3D) low resolution:
Subduction zone model (3D) medium resolution:
Subduction zone model (3D) high resolution:
Same as 'insert_fault_quick' but extra steps are taken to improve the
element aspect ratio of the final mesh:
Strike Slip Benchmark Mesh:
Dipping fault inside a large block:
Insert 30 faults from the Community Fault Model (CFM) into a 3D tet mesh:

--

\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
Dr. Carl W. Gable, Staff Scientist
EES-6, MS T003
Los Alamos National Laboratory
Los Alamos NM 87545

gable@lanl.gov Voice 505-665-3533 Fax 505-665-8737
http://www.ees.lanl.gov/staff/gable http://lagrit.lanl.gov

Hydrology, Geochemistry & Geology Group (EES-6)
Focus: Geophysics, Hydrology, Mesh Generation
Correspondence / TSPA
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/