CPS296.2 Advance Topics in CPS: Mesh Generation

Homework # 0

Due date: There is no hard deadline for this homework. You are advised to do it as soon as possible. Please send me your comments via e-mail (ungor@cs.duke.edu) by mid-semester.

1. Surf the web starting at

   - *Mesh Generation & Grid Generation on the Web* by Robert Schneiders
     `http://www-users.informatik.rwth-aachen.de/~roberts/meshgeneration.html`
   - *Meshing Research Corner* by Steve Owen
     `http://www.andrew.cmu.edu/user/sowen/mesh.html`
   - *Geometry in Action* by David Eppstein
     `http://www.ics.uci.edu/~eppstein/geom.html/`
   - *The Geometry Junkyard* by David Eppstein
     `http://www.ics.uci.edu/~eppstein/junkyard/`
   - *Computational Geometry Pages* by Jeff Erickson
     `http://compgeom.cs.uiuc.edu/~jeffe/compgeom/index.html`

   Comment on the page you visit that has the most interesting concept/graphic/idea/etc.

2. Download at least one of the software packages, install the program and test-run to generate a few sample meshes.

   - *Triangle*
     `http://www-2.cs.cmu.edu/afs/cs.cmu.edu/project/quake/public/www/triangle.html`
   - *QMG*
     `http://www.cs.cornell.edu/Info/People/vavasis/qmg-home.html`
   - *GRUMMP*
     `http://tetra.mech.ubc.ca/GRUMMP/`

   Write a short commentary on the package(s) you installed and tested.