OpenSees Parallel Applications on a Mac

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Requirements

• Multi-core Intel based Apple Machine or Cluster of similar machines.
• OpenMPI binary downloaded, installed and running (http://www.mcs.anl.gov/research/projects/mpich2)
• OpenSeesSP and OpenSeesMP downloaded (http://opensees.berkeley.edu/OpenSees/parallel)
Setting Up Path variable

- Edit your login script.
- Again, These are the steps:
  1. Click Start, and then click Control Panel
  2. In Control Panel, click System
  3. In System window, click Advanced
  4. Click Environment Variables.
  5. Depending on if you just want it for current User (User Variables for you) or all Users (System Variables), click the appropriate Path variable to highlight it.
  6. Click Edit.
  7. Enter \C:\Program Files\MPICH2\bin at end
  8. Clear the box Use User Account (UAC) to help protect your computer
  9. Click OK
  10. Click OK
  11. Test by entering echo %PATH% in a Command Prompt (DOS) window.

You can also do this with OpenSees if you keep OpenSees in a default location.
Usage

mpiexec -channel auto -np numProcs? OpenSeesApp? tclScript?