

Mike Kirby  
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CS250

## Reading and Research Schedule

### Purpose

The purpose of this reading and research is to progress on two major projects under the direction of David Laidlaw. The first project is the CAVE Artery project, whose deadline is March 15. The second project is the painterly rendering comparison project with Reiter, La Viola, Kirby and Laidlaw.

### Items

1. Get DOGL working consistently in the CAVE, with effort placed on optimizing it for the IBM hardware available.
2. Create routines for converting easily between Nektar and Jot formats. Two-way communication will be emphasized.
3. Run multiple simulations for the bifurcation artery case, with emphasis on the items necessary for the video.
4. Work with dhl's other students on using textures, etc for looking at wall shear stress, pressure, etc. Provide fluid insight advising.
5. Create fluid pictures for painterly rendering project.
6. Provide fluid analysis of pictures, and guidance of how to interpret results.
7. Start write-up of master's thesis project report, containing as its first section the Artery demo material given above.