

Joel Rausch
Christopher Jeffers
Eric Jensen
Group Number: May 12-11
Adviser: Simanta Mitra
Client: Siemens PLM Software

Weekly Report for 1/28/2013

Accomplishments

We have begun implementing some of the basic OpenGL features in our application.

- Initializing and binding an OpenGL context
- Loading, compiling, and linking vertex and fragment shader programs
- Frame/refresh timing
- Arcball camera system

We have begun planning the interfaces between systems.

Plan for coming weeks:

- Maintain the Design Document with developing architecture decisions. These should be mostly low-level decisions.
- We have scheduled a meeting with Siemens in early February; we are working on an agenda and a list of questions to send them in advance of the meeting.
- Investigate threading libraries.

Pending issues:

- We are waiting for Siemens to deliver a sample point cloud. This will likely be a topic on the agenda for the meeting with Siemens.
- An important, time consuming calculation (normal vectors) is not in our projects scope. We are looking into third-party libraries which can provide these for us. This will likely be a topic on the agenda for the meeting with Siemens.

Individual contributions:

All - Approximately 40 hours each since the end of fall semester.