YGGDRASIL MEETING MINUTES

DATE: 7TH SEPTEMBER 2 TIME: 14:00 - 15:00 VENUE: ROOM 315, COMPUTER SCIENCE DEPARTMENT, UCT

Attendees

Prof. James Gain, Ryan Mazzolini, Richard Pieterse, Donovan Foster

TOPICS

Progress Report

Each member discussed their progress and current issues.
Richard

- Progress: Busy implementing the mesh joining component in c++.
- Issue: current system generates large joints that may overlap with other joins
- A/Prof Gain suggested using a cylinder intersection test to join each branch individually.

Ryan:

- Progress: Finished implementing Discrete Optimization with k-coherence.
- Issue: The performance of the algorithm scales poorly
- It was decided that a full first implementation of the system should be completed before delving into optimizing performance.

Donovan

- Progress: has developed an inter face for drawing the shape of the leaf
- Issue: The paper that describes the algorithm does not specify values for the described parameter.

Action Items	People Responsible	Deadline
Prepare first iteration for evaluation	All project members	Friday 14th of September, 1:30pm

Ethics Application

The ethics application for the final user testing was reviewed and approved by A/Prof Gain. It was submitted to the ethics committee immediately after the meeting.

First evaluation

This round of evaluation will be similar to a heuristic evaluation, however, the output from each component is being evaluated and not the interface. Expert users will be asked to provide feedback on the artifacts produced by each member's component, as well as the algorithms used. These artifacts are a 2D synthesized texture, a single subdivided mesh, and the vein structure of a leaf. Suggested participants that must be contacted are:

- Rudy Neseer
- Mark Danoher
- Dr. Patrick Marais
- A/Prof. James Gain

- Prof. Gary Marsden
- Simon Perkins
- Other masters students who are involved in graphics.

The feedback from this evaluation will inform the second iteration.

Action Items	People Responsible	Deadline
Contact expert users	All project members	Wednesday 12th of September

Next Supervisor Meeting

At the next meeting we will:

- Present the first complete full iteration of our components for evaluation and feedback
- Discuss the most appropriate structure for each members thesis
- Decide on a thesis chapter to work on. A draft of this chapter must be submitted to A/Prof Gain by Friday the 21st of September

Action Items	People Responsible	Deadline
Investigate and reflect on the most appropriate thesis structure.	All project members	Friday 14th of September, 1:30pm