
YGGDRASIL MEETING MINUTES

DATE:06/14/12 TIME: 12:00 - 12:45 VENUE: ROOM 315,
COMPUTER SCIENCE DEPARTMENT, UCT

Attendees

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

TOPICS

Branch Joining Techniques

- It was decided that templating was not the way forward as there was no way of providing enough templates for each possibility.
- James suggested looking at a previous project done by Rudi, as well as using icosahedrons to join branches together.
- There was also the possibility of altering the tree to fit an available template, however this was not the preferred method.

Action Items

People Responsible

Deadline

Investigate Rudi's paper

Richard

Saturday 7th of July

Texture Synthesis

- Patch-based was agreed to be the most successful method currently for texture synthesis.
- Ryan was concerned about the age of some of his reference papers, and was advised to try to find ones that are more recent.
- The C-Image library was suggested for use inside the QT GUI because the alternative, WXwidgets, had been an issue in the previous project.
- For UV mapping, seamless texturing was considered unlikely to be possible. It was also suggested that the UVs take into account the direction of the bark, but that it might be possible to treat each branch as a cylinder and stretch the UVs to fit it.

Action Items

People Responsible

Deadline

Find more recent papers

Ryan

Saturday 7th of July

Look into UV mapping

Leaf Placement

James suggested a change in the project direction from the positioning of leaves to the generation of the leaf itself. This was agreed upon, as the current project base does not appear to lend itself to current foliage placement techniques.

Action Items

People Responsible

Deadline

Investigate leaf generation techniques

Donovan

Saturday 7th of July

List of Requirements

It was resolved that each group member create a list of attributes that their section had to

contain so that it fit the project goals. This would then be used at the next meeting to ensure the correct direction for each component.

Action Items	People Responsible	Deadline
Create List of Requirements	All project members	Saturday 7th of July

Future project meetings

James away from Wednesday 20th.

Next meeting scheduled for Saturday 7th July, but to be confirmed.