Investigation Into The Representation Of 4D Shapes

27/01/2022

Week 2 Progress Report

- Tested system
  - Email still does not work on Eduroam
  - Copy and Paste works
  - Both required plugins as WebGL does not support either
  - Added extra data to be collected
- Started outline for dissertation
- Started presentation
- Started notebook for data collection, with plans of all the data I want to collect

Questions

- How is my dissertation outline?
  - Improvements to plan?
  - Struggling to define/word the motivation
    - Project became - best way to represent 4D objects in an intuitive way
    - Motivation was to teach people about 4D
- What data do you think are priorities for data collection?
- Research Product 40%
  - I don't have proofs
  - Advice?
- Do I use four or 4?
  - "Four" for anything in a sentence unless it is the abbreviation "4D"?
- Do I need to create documentation for the experiment application code?
  - Would it be high level "This is what each class does" or low level "this is how the classes interact"
- "Summer directory"?

Plan Ahead

Week 1 & Week 2
- Finish implementing test system
  - graphs between representations
  - fix rotor rotation
  - add time limit

Week 3
- Begin developing data analysis tools, most likely with a jupyter notebook
- run some preliminary tests to decide if there is any data or visualisations I want to cut

Week 4 & Week 5 & Week 6
- Run experiments
- Begin dissertation
- Begin presentation
- Further develop data analysis tools

Week 7
- Evaluation of experiments

Week 8 & Week 9 & Week 10
- Write up draft dissertation

Am I on schedule

- Intend to open applications for experiment tomorrow
    - wanted to verify with you first