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Accelerating Multi-Dimensional Search

Supervisor Meeting Agenda (17/02/14)

- Feedback on literature review
  - discuss what the best things to cut for mid-project and final reports is
  - add background research on technologies and methodologies for report? wise to start that soon? how much detail to go into?
- Feedback on presentation draft
  - what is the presentation designed to convey?
- Mid-project report structure
  - confirm there are no ethical issues involved with the project (vizcontest data)
- Discuss decision on index structure to implement
  - Pyramid Tree in C++ (serial)
- Discuss iterative approach of implementation
  - using evaluation results at end of each iteration to inform what new index structures to implement, optimisation to make or additional technologies (e.g. GPGPU, parallel) to use
- Feedback on revised project schedule
- Discussion on test data
  - how much of astrophysics data to use? Very large dataset
  - use other real datasets?
  - use synthetic datasets constructed (and validate performance tests shown on papers)
- Plan for next week
  - Presentation preparation and delivery
  - Detailed design and implementation plan
  - Mid-project report