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Accelerating Multi-Dimensional Search

Supervisor Meeting Agenda (24/02/14)

- What I've been doing
  - more research into parallelisation of search
  - mid-project write-up
  - design of performance evaluation framework for implementations
- Feedback on presentation
  - make focus on both algorithmic side and implementation explicit in project goals?
- Re-word project aim sentence (simplify it)
- Evaluation criteria
  - added whole section to mid-project for it
  - discussion of criteria, baselines and data
- Parallelisation of search structures
  - many papers on parallelising B-trees and other one-dimensional databases (with specific focus on applications to databases)
  - little research into parallelisation of multi-dimensional structures
  - increased focus on GPGPU in recent years
  - worth focusing on parallel?
- Feedback on mid-project report progress
  - schedule has enough granularity?
  - technology section detailed enough?
    - okay to cite language websites and language statistics?
  - despite not knowing if the parallel route will be taken, provide small write-up of research into parallelisation of structures and technologies?
- Plan for this week
  - finish off research into parallel search (if decided on focusing on it)
  - incorporate supervisor feedback into report
  - finish initial draft of report