

Accelerating Multi-Dimensional Search

Supervisor Meeting Agenda (03/03/14)

- Progress update on mid-project report
- Evaluation measures
 1. total time operation takes (the obvious one)
 2. cache hit rate (#hits / #misses)
 3. amount of heap memory used by the structure
 4. # heap allocations (if high, bulk allocations could be performed)
 5. CPU:IO ratio (i.e. time spent on computation / time spent on memory accesses)
- Evaluation section in report
 - good idea to mention how synthetic data will be generated?
 - how points to query/insert/delete in tests are selected?
- Weekly sprints
 - time with supervisor meetings
 - set milestones/goals for week
 - use outcome of previous sprint to determine next
 - good idea? Briefly mention in schedule section?
- Discuss evaluation framework in report?
 - include in new “Implementation Design” section?
- Decision on index structure
 - Splay quadtree