

Thesis on External Range Reporting

Agenda for March 10, 2016

Since last meeting

1. Report
 - (a) Main data structure: Started documenting theory
2. Coding
 - (a) Refactored the whole thing to event stack loop to better grasp the recursion
 - (b) Main data structure: Query fix up
 - i. Rewritten split leaf function to handle more splits simultaneously
 - ii. Rewritten split node function to handle more splits simultaneously
 - (c) Main data structure: Global rebuilding

Plan until next meeting

1. Report
 - (a) Main data structure: Finish documenting theory
 - (b) Main data structure: Document implementation details
2. Coding
 - (a) Rewrite insert buffer overflow to handle more elements to overflow
 - (b) Same for delete buffer
 - (c) Finish query fixup
 - (d) Construction in $\mathcal{O}(N/B)$
 - (e) Testing of global rebuilding

Questions and remarks

1. We take a break from 21.-28. March