

Thesis on External Range Reporting

Agenda for April Fool's Day, 2016

Since last meeting

1. Report
 - (a) Main data structure: Theory and analysis (including figures).
Only few sections missing.
2. Coding of Brodahls
 - (a) Main data structure: LINEAR CONSTRUCTION integration test passed.
 - (b) Main data structure: QUERY integration test passed.
 - (c) Main data structure: FIXUP integration test passed.
 - (d) Main data structure: GLOBAL REBUILDING integration test passed.
 - (e) Main data structure: Added optimization METADATA integration test passed.
 - (f) Main data structure: Added optimization "CACHING" integration test passed.
 - (g) Main data structure: Last minute fix: child structure is not kept in main memory.
(not integration tested).
 - (h) Main data structure: Last minute fix: max_y of child is considered on query.
(not integration tested).
3. Coding of Arges
 - (a) Base B-tree: Insert with splitting of leaves and nodes.
 - (b) Base B-tree: (Weak) Delete (marks the node as deleted for global rebuilding).

Plan until next meeting

1. Report
 - (a) Main data structure: Document implementation considerations of Brodahls.
 - (b) Proof reading: Mark approximately 10 pages from report and bring to Kasper.
2. Coding
 - (a) Main data structure: Integration test of last code changes.
 - (b) Continue working on Arges external priority search tree.

Questions and remarks

1. Installation and set-up of test farm: 2 identical machines (slow; 512 MB RAM, 5400 RPM disk) for running experiments and 1 (fast) machine for testing correctness. The farm uses same kernel and library build version.

Hot in...
So hot in herre...
So hot in...

Nelly lyrics