Thesis on External Range Reporting

Agenda for February 29, 2016

Since last meeting

1. Report

    (a) Added section to *Theory*: child structure

    (b) Added section to *Implementation*: child structure

    (c) Added section to *Preliminaries*: B-tree

    (d) Added figures of query and sweep line

2. Coding

    (a) Child-structure: Finished with extensive testing

    (b) Main data structure: Insertion

    (c) Main data structure: Tests of insertion

    (d) Main data structure

Plan until next meeting

1. Report

    (a) Finish preliminary section on B-tree

    (b) Document

2. Coding

    (a) blabla

Questions and remarks

1. Is there are a general LaTeX template for theses?

    (a) Found Anders Møllers template. Are all items needed? Resumé in danish?

2. Gerth's structure is a B-tree on the x values of points. We can have $\mathcal{O}(B)$ points in a node but only have a fanout of $\mathcal{O}(B^\epsilon)$. How?

3. Bottom up and top down filling of underflowing point buffers. This is vague in the paper.

Bug of the week

Anders' LaTeX template spells Acknowledgements incorrect in table of contents. Almost all theses using his template has this misspelled.