Advisor	Davide Mottin
Students	Andreas H. H. Hansen & Sebastian Rue Clausen
Languages	English
Text tools	LaTeX
Other tools	C++, CUDA

Project Description (at least 10-20 lines)

This project will investigate how Graph Alignment Problems are modelled and what algorithms are used to approximate solutions to Graph Alignment problems. The project will explain the FUGAL-algorithm, and investigate how it can be optimized to run on Nvidia GPUs using the CUDA framework.

Provisional Table of Contents

- Abstract (10-20 lines)
- Section 1: Introduction (1-2 pages)
- Section 2: Review of literature (4-8 pages)
- Section 3: Description of Task A (4-8 pages)
- Section 4: Description of Task B (4-8 pages)
- Section 5: Description of Task C (4-8 pages)
- Section 6: Comparison to other work and ideas for future work (2-4 pages)
- Section 7: Conclusion (1-2 pages)
- Acknowledgements (3-5 lines)
- References ($\frac{1}{2}$-1 page)
- Appendix with programming code, tables, full proofs, etc. (5-20 pages)

Provisional Time Plan

First week of February (15 hours)
Planning of activities, including the production of the Bachelor's contract.

Rest of February and first half of March (3×15 hours)
Read literature (one or more scientific papers) and make draft of Section 2 in Bachelor's report.

Rest of March and first week of April ($2 \times 15 + 2 \times 30$ hours)
Completion of task A and make draft of Section 3 in Bachelor's report.

Rest of April (3×30 hours)
Completion of task B and make draft of Section 4 in Bachelor's report.

First three weeks of May (3×30 hours)
Completion of task C and make draft of Section 2 in Bachelor's report.

Last week of April of first half of June (3×30 hours)
Write the missing parts, put drafts together, make things consistent, proof reading.