

Minimum Spanning Tree

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DPHPC

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1 Algorithms

- Use-cases
- Implementations
- Correctness
- Expected issues

2 Benchmarking

- Reference, baseline
- Environment



Algorithms



(Somewhat) realistic use-cases and input sets?



What are the key concepts employed?



How to verify correctness of the parallelization?



What are the main obstacles?



Benchmarking



How to argue about performance (bounds, what to compare to?)



Which architecture? (we only offer access to Xeon Phi, you may use different)

What tools/programming language/parallelization scheme do you use?

