5DV152/VT15: Lab 4

TODO[Your Name] (TODO[Your Personnumber])

TODO[Submission Date]

1 Experiment design

Describe the details of the experiment design, including

- The size of the image.
- The pixel size.
- The center point in the complex plane.
- The maximum number of iterations.
- The set of thread counts used.
- The metric used to quantify the load imbalance.

2 Results

Summarize the results, including

- One or two plots showing the mean execution times for both the static and dynamic scheduling cases as a function of the number of threads.
- One or two plots showing the mean speed-up for both the static and dynamic scheduling cases as a function of the number of threads including error bars.
- A plot showing the mean load imbalance of the static scheduling case as a function of the number of threads including error bars.

3 Conclusion

Discuss the results, including

- A discussion of the scalability of the static and dynamic scheduling cases.
- A quantitative and qualitative comparison of the scalability of the static and dynamic scheduling cases.
- Reflections on the behavior of the load imbalance.