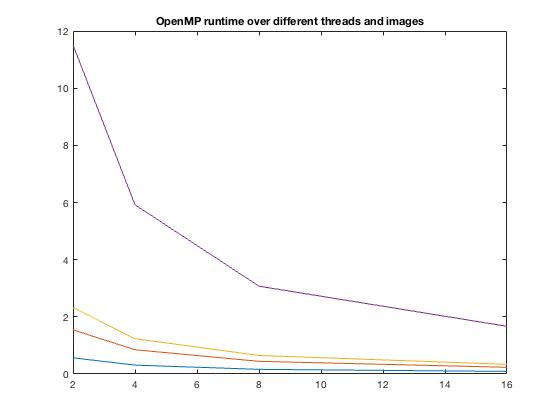
Lab3 TDDC78 – LaplaceSolver with OpenMP

*Jonathan Bosson, jonbo665*

**1 Program Description**

asd

**2 Result**



Second image shows different images and number of processes but with the blur filter program. Here the results looks more reasonable. It is clear that no matter the size of the problem does the blurfilter benefit from all amount of parallelization, being most effective with 16 processes.

Looking at the MFLOP/s it can be seen that the value is close to the same at all problem sizes at a fixed number of cores as well as proportional to the number of cores..

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Threads: | 2 | 4 | 8 | 16 |
| img1 | 3657 | 11969 | 12696 | 22775 |
| img2 | 2723 | 8909 | 9494 | 17928 |
| img3 | 3309 | 11206 | 11890 | 22731 |
| img4 | 3135 | 10964 | 11752 | 21635 |

This table describes the MFLOP/s from the blur filter program.