Derek Trom

HW4

Average for Static(given chunk,thread)

| S 1,1 | S 1,4 | S 1,8 | S 4,1 | S 4,4 | S 4,8 | S 8,1 | S 8,4 | S 8,8 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 74.4958 | 18.7438 | 9.89113 | 72.8726 | 13.4904 | 8.92698 | 37.2373 | 13.8289 | 9.23468 |
| 73.5257 | 18.784 | 9.9387 | 74.4653 | 15.8457 | 8.93551 | 32.265 | 15.9056 | 9.25752 |
| 73.2648 | 18.9052 | 9.68793 | 74.2041 | 13.3101 | 9.27064 | 37.042 | 12.996 | 9.2034 |
| 74.2156 | 19.2428 | 9.87083 | 73.4151 | 16.3929 | 9.34476 | 31.7163 | 16.2708 | 9.15318 |
| 73.6765 | 18.751 | 9.71805 | 36.8634 | 13.7432 | 9.25655 | 37.3364 | 13.8572 | 9.35219 |
| 73.8357 | 18.8854 | 9.82133 | 66.3641 | 14.5565 | 9.14689 | 35.1194 | 14.5717 | 9.24019 |

Average for Dynamic(given chunk,thread)

| D 1,1 | D 1,4 | D 1,8 | D 4,1 | D 4,4 | D 4,8 | D 8,1 | D 8,4 | D 8,8 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 74.0397 | 18.4612 | 9.83765 | 73.2447 | 18.6805 | 9.66423 | 74.3584 | 18.9797 | 9.79057 |
| 74.1636 | 18.7164 | 9.6765 | 73.8535 | 18.4216 | 9.78551 | 74.1217 | 19.0411 | 9.72428 |
| 73.6941 | 18.9054 | 9.68125 | 74.748 | 18.7768 | 9.66214 | 74.3363 | 18.8157 | 9.92841 |
| 74.4788 | 19.087 | 9.74855 | 73.022 | 18.6829 | 9.78434 | 73.9779 | 19.0217 | 9.71192 |
| 73.0767 | 19.034 | 9.71002 | 73.8356 | 18.5344 | 9.83335 | 73.9784 | 18.861 | 9.68253 |
| 73.8906 | 18.8408 | 9.73079 | 73.7408 | 18.6192 | 9.74591 | 74.1545 | 18.9438 | 9.76754 |

Speed up:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 73.8357 | 18.8854 | 9.82133 | 66.3641 | 14.5565 | 9.14689 | 35.1194 | 14.5717 | 9.24019 | 73.8906 | 18.8408 | 9.73079 | 73.7408 | 18.6192 | 9.74591 | 74.1545 | 18.9438 | 9.76754 |
| 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 | 73.8357 |
| 1 | 3.92 | 7.53 | 1.11 | 5.069 | 8.07 | 2.10 | 5.07 | 7.99 | 0.999 | 3.92 | 7.59 | 1.001 | 3.97 | 7.58 | 0.996 | 3.89 | 7.56 |

The fastest speed up was the static, chunk = 4,team = 8. The largest would be about 2200 or so if you compare them. I would say that the chunk size made more of a difference with the given size of this problem for improving speedup.