CS 385 Lab 7 – Wed., Mar. 18, 2009

Summary

This week's lab should be short: parallelize your FindMax routine with TBB. Take 3 measurements for both the sequential and the parallel code, and report each of these measurements and their average in your initial comment.

Deliverables:
yourlastnameL7.cpp [with the timing measurements in your initial comment]

You should submit *yourlastname*L7.cpp by copying it to ~srivoire/cs385/submit. If you are successful, you will see your file listed at
http://rivoire.cs.sonoma.edu/cs385/lab7sub.txt

If you don't see your file listed, try
http://rivoire.cs.sonoma.edu/cs385/misnamed.txt
Confirm that your file is correctly named, and then send an email to the instructor.

Preparation

If TBB isn't working for you, you may need to type the following command:

```
source ~/.bash_profile
```

Remember to compile your programs using the –ltbb flag (lowercase L):

```
g++ -ltbb [source] -o [output]
```

Timing

Use the TBB timing functions to get the running time of the sequential code and of your parallelized code:

```
...
#include "tbb/tick_count.h"
using namespace tbb;
...

tick_count t0, t1;

t0 = tick_count::now();
// Code to be timed goes here
t1 = tick_count::now();

printf("Took %3.5f seconds.\n", (t1-t0).seconds());
...
```

[Thanks to Joe Muller for this code!]