
Subject: Re: CoWork::FinLock

Posted by [koldo](#) on Sun, 10 Jan 2016 17:10:32 GMT

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Hello Mirek

To help with parallel programming in U++ I have uploaded some benchmarks in new package Bazaar/OpenMP_demp. I hope it will happen as positive NTL vs. STL comparison :)

About storing partial results, it could be interesting to see demo "Pi" at it uses reduction() clause to handle temporary results between cores.

```
static double pi_device() {
    double x, y;
    long count = 0, i;

    // Parallel loop with reduction for calculating PI
    #pragma omp parallel for private(i, x, y) shared (samples) reduction(+:count)
    for (i = 0; i < samples; ++i) {
        x = Random(1000000)/1000000.;
        y = Random(1000000)/1000000.;
        if (sqrt(x*x + y*y) < 1)
            count++;
    }
    return 4.0 * count / samples;
}
```
