

OpenMP Affinity Scheduling

Introduction

OpenMP affinity scheduling implementation by hand.

Project Structure

- loops2.c : main entry of the program for testing.
- workqueue.h/.c : workqueue definition & implementation

Build

To build this project, open terminal and type:

```
make
```

Program with name loops2 will appear under current working directory.

Usage

To run this program, type:

```
./loops2
```

Demo

Assumed that user has already build the program.

Firstly, set OMP_NUM_THREADS to expected value :

```
export OMP_NUM_THREADS=8
```

Then, run the program:

```
./loops2
```

Execution results will be printed to the screen:

```
Loop 1 check: Sum of a is -343021.474766  
Total time for 1000 reps of loop 1 = 0.340465  
Loop 2 check: Sum of c is -25242644.603147  
Total time for 1000 reps of loop 2 = 1.647152
```

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