

Implementation and Analysis of Parallel Motif Finding Algorithms for Bioinformatics

CS 6260 Parallel Computations II

Spring 2013

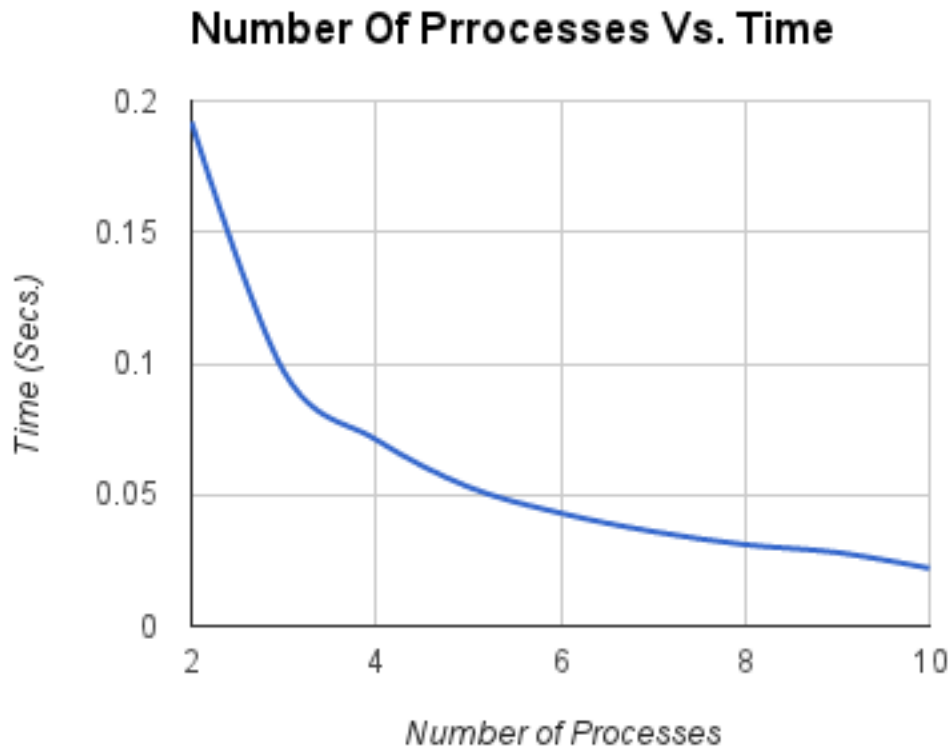
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Meme

- MEME takes as input a group of DNA or protein sequences and outputs as many motifs as requested
- Results: http://nbcr-222.ucsd.edu/opal-jobs/appMEME_4.9.01363189434382106852619/

Results

Chart

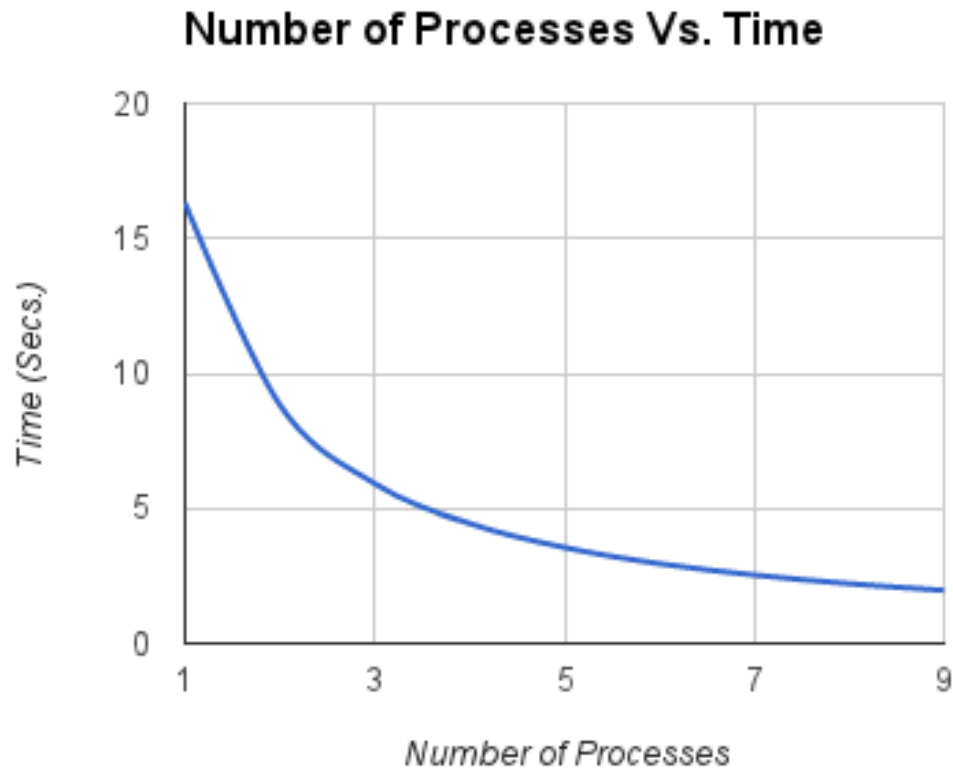


Data

- $N = 12$
- $T = 10$
- $L = 8$

Results

Chart

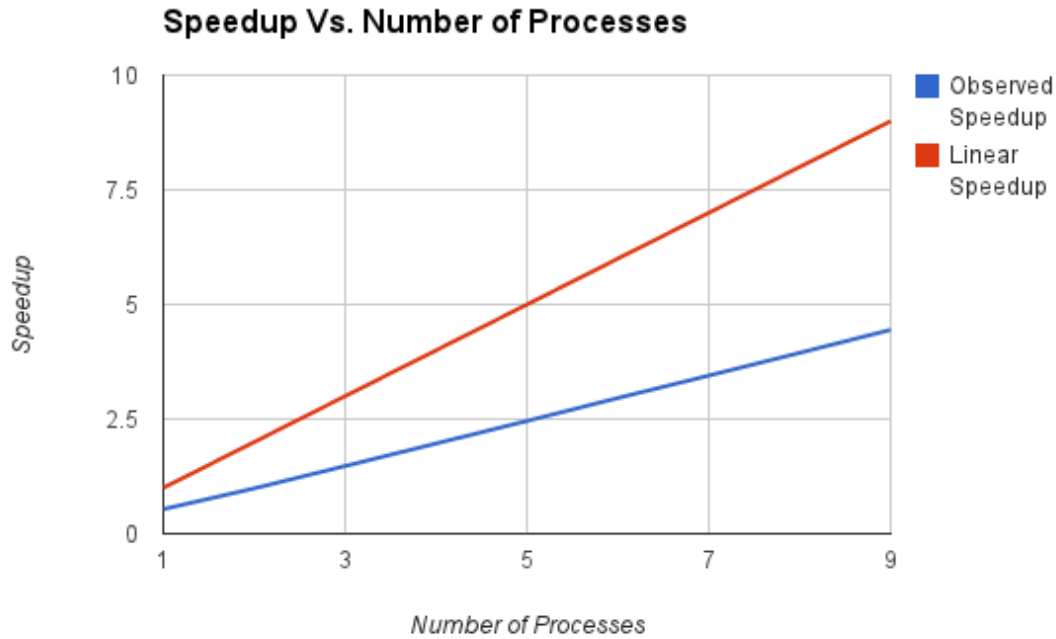


Data

- $N = 55$
- $T = 20$
- $L = 9$

Results

Chart



Data

- $N = 55$
- $T = 20$
- $L = 9$
- Best Sequential: 8.74 secs