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Plots for 'Arrows for Parallel Computations'

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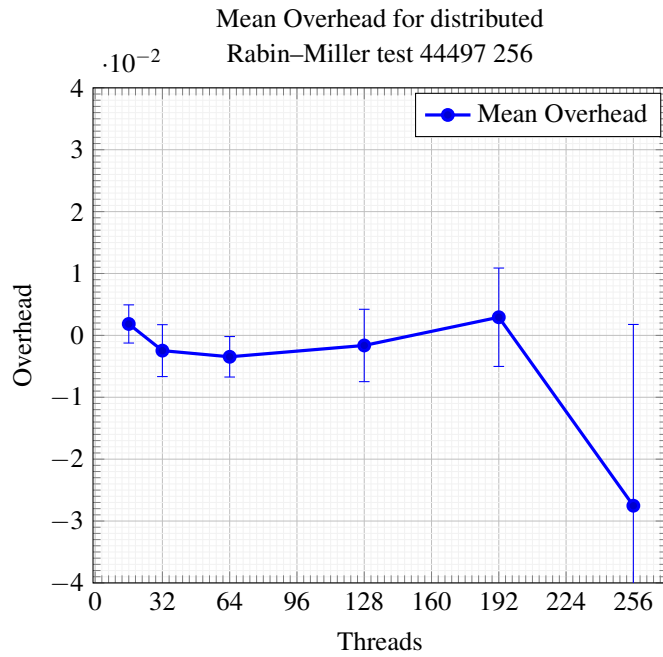
Glasgow University, Glasgow, G12 8QQ, Scotland

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1 Distributed Plots

1.1 Rabin–Miller test

1.1.1 Overhead

Mean Overhead for distributed
Rabin–Miller test 44497 256

1.1.2 Speedup

Speedup of distributed Rabin–Miller test '44497 256'
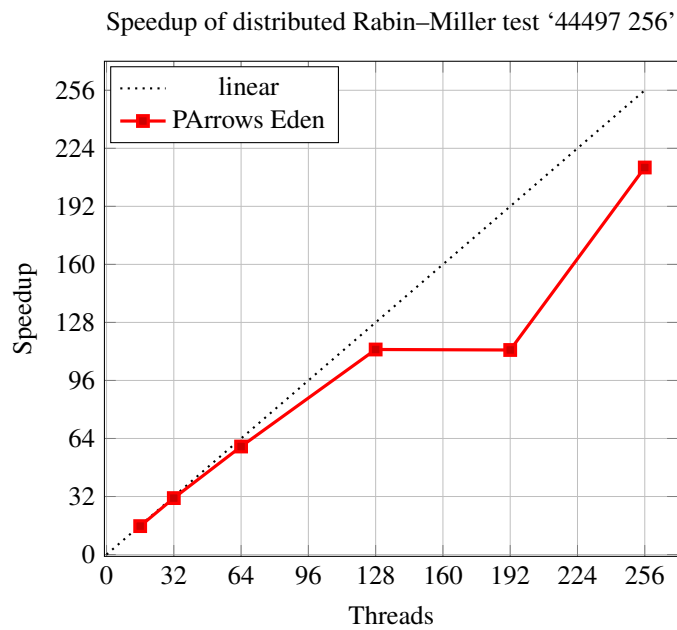
1.2 Jacobi sum test

1.2.1 Overhead

Mean Overhead for distributed
Jacobi sum test 3217

1.2.2 Speedup

Speedup of distributed Jacobi sum test '3217'

1.3 Gentleman

Mean Overhead for distributed
Gentleman 4096

1.3.1 Speedup
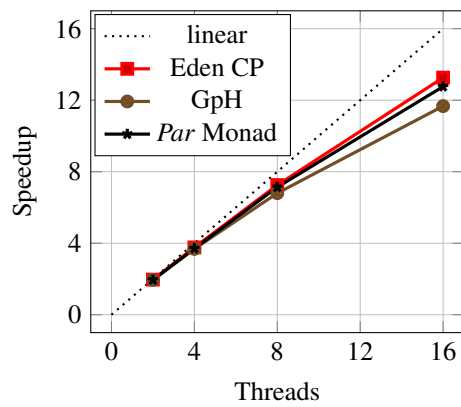
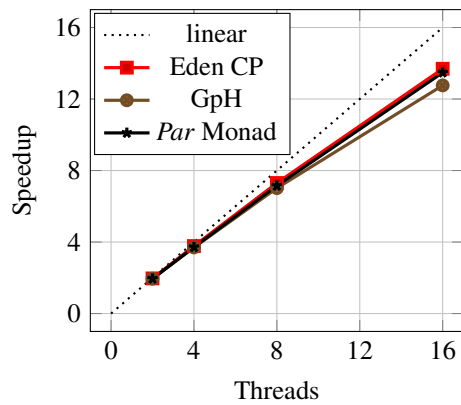Speedup of distributed Gentleman '4096'
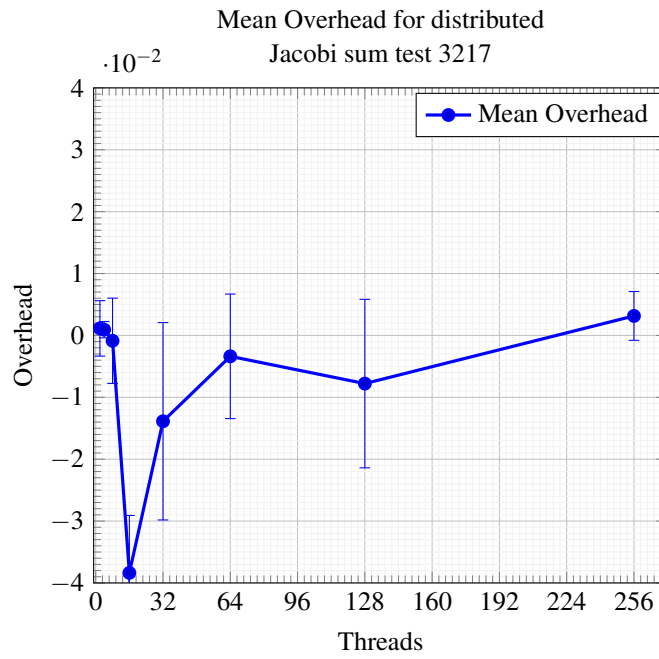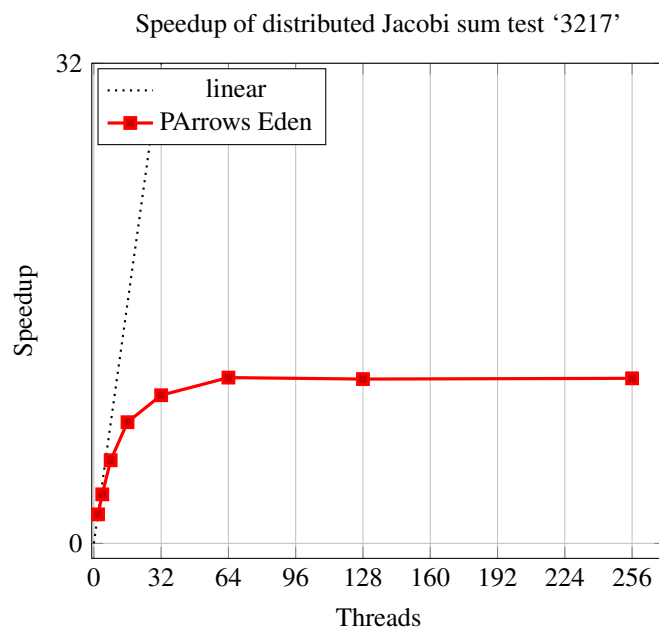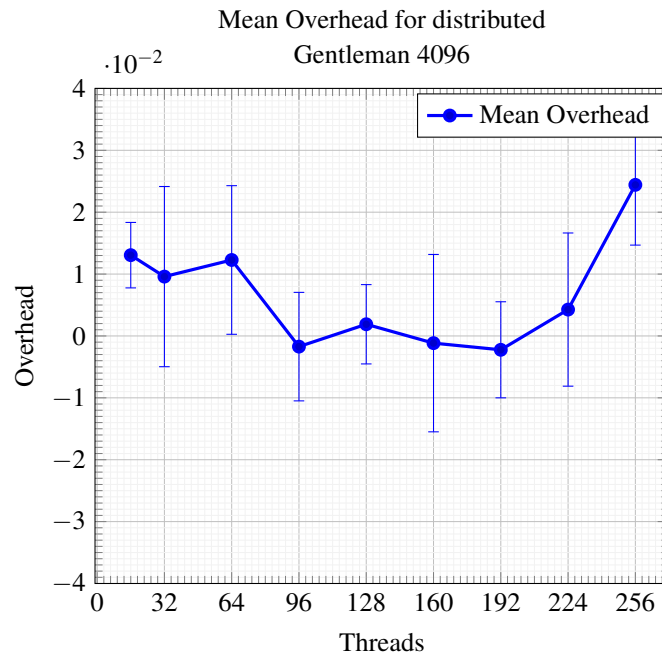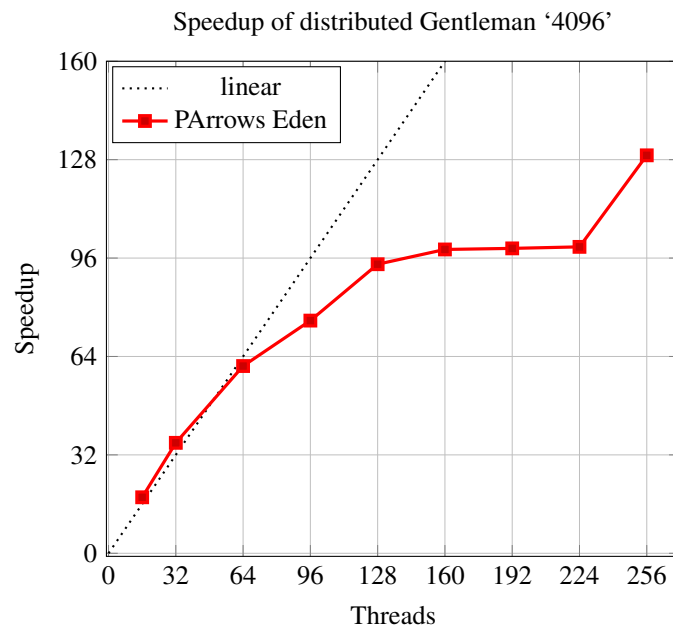
2 Shared-Memory Plots
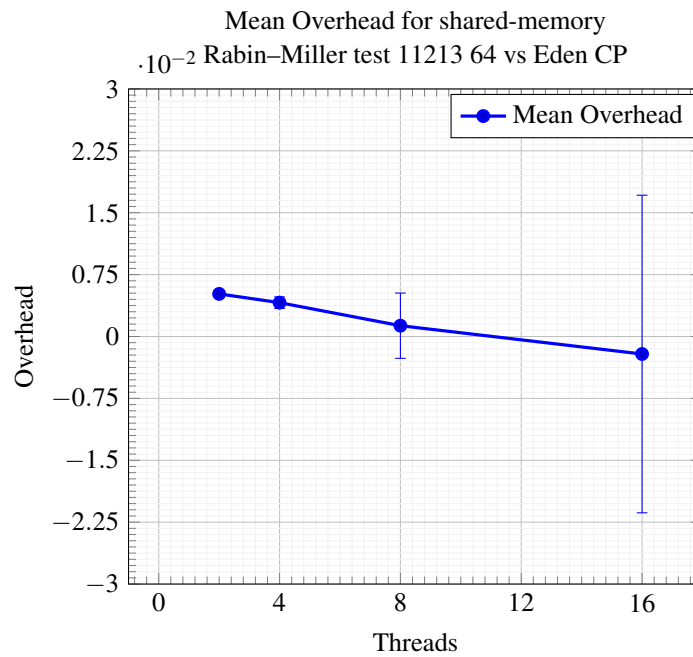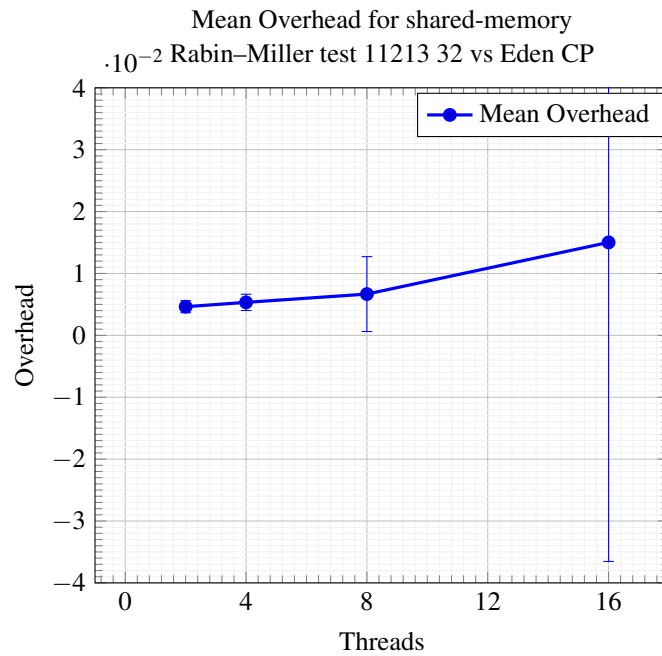
2.1 Rabin–Miller test

2.1.1 Speedup

Speedup of Rabin–Miller test '11213 32'

Speedup of Rabin–Miller test '11213 64'

2.1.2 Overhead

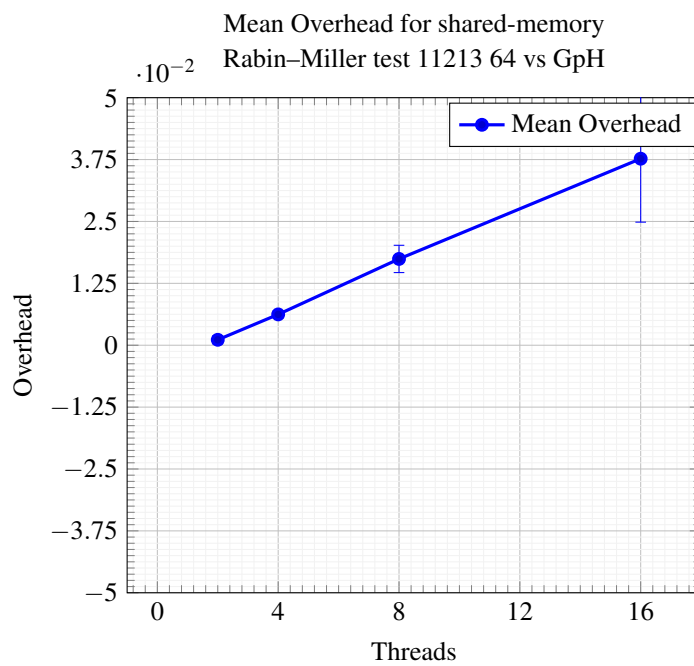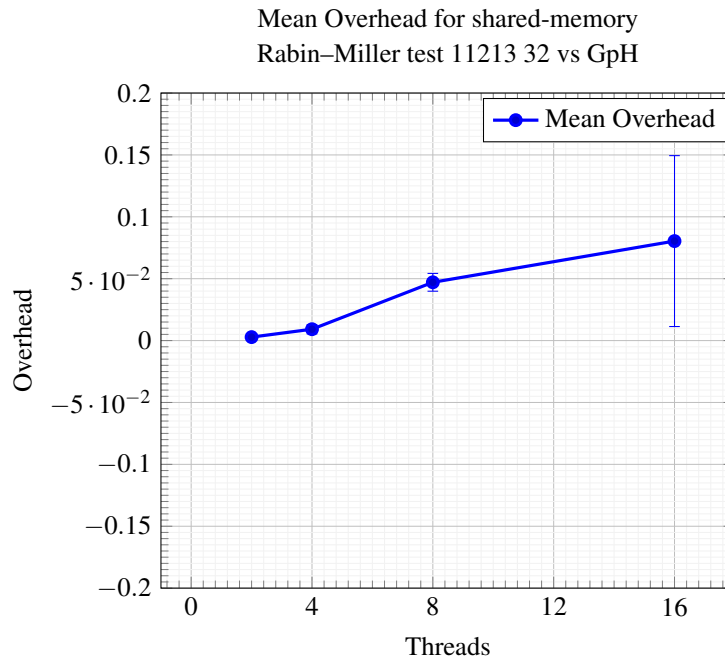Mean Overhead for shared-memory
Rabin–Miller test 11213 32 vs Eden CP

Mean Overhead for shared-memory
Rabin–Miller test 11213 64 vs Eden CP

Mean Overhead for shared-memory
Rabin–Miller test 11213 32 vs GpH

Mean Overhead for shared-memory
Rabin–Miller test 11213 64 vs GpH
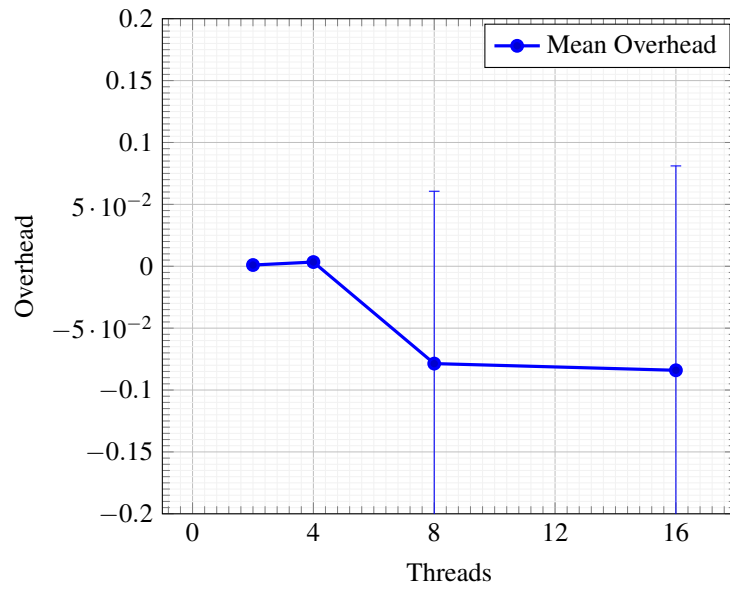
Mean Overhead for shared-memory
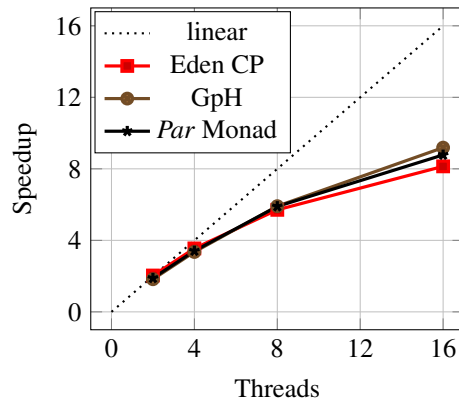Rabin–Miller test 11213 32 vs Par Monad
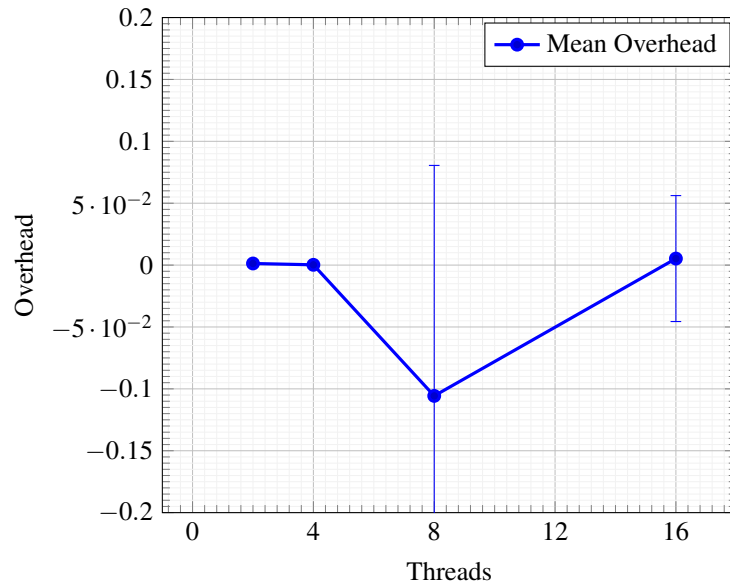
Mean Overhead for shared-memory
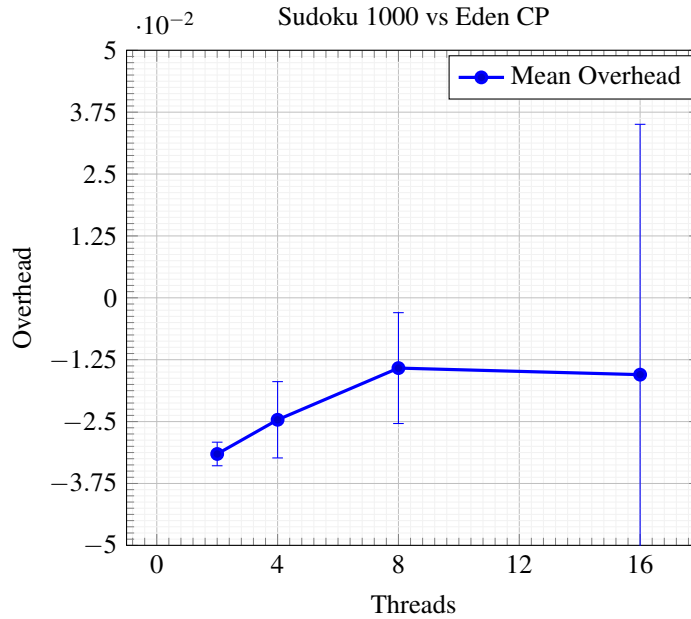Rabin–Miller test 11213 64 vs Par Monad

2.2 Sudoku

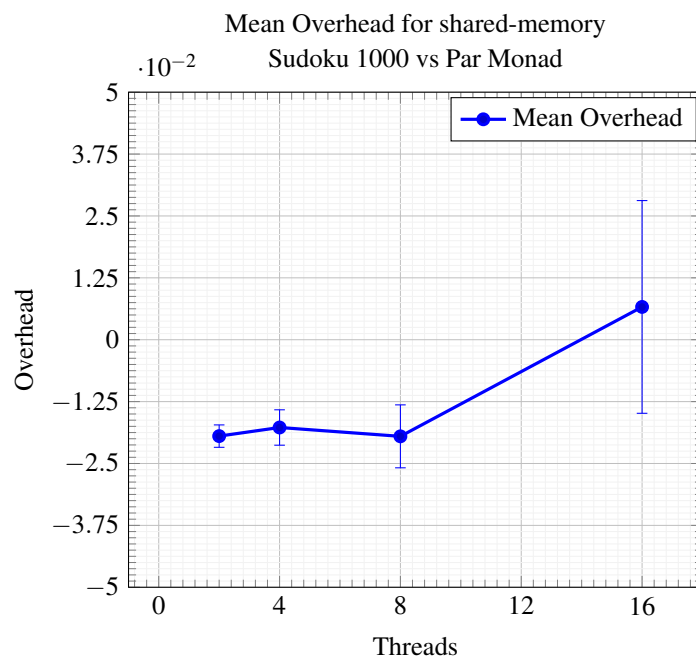#### 2.2.1 Speedup

Parallel speedup of Sudoku '1000'

2.2.2 Overhead

Mean Overhead for shared-memory
Sudoku 1000 vs Eden CP

M. Braun, O. Lobachev and P. Trinder

Mean Overhead for shared-memory
Sudoku 1000 vs GpH

Mean Overhead for shared-memory
Sudoku 1000 vs Par Monad
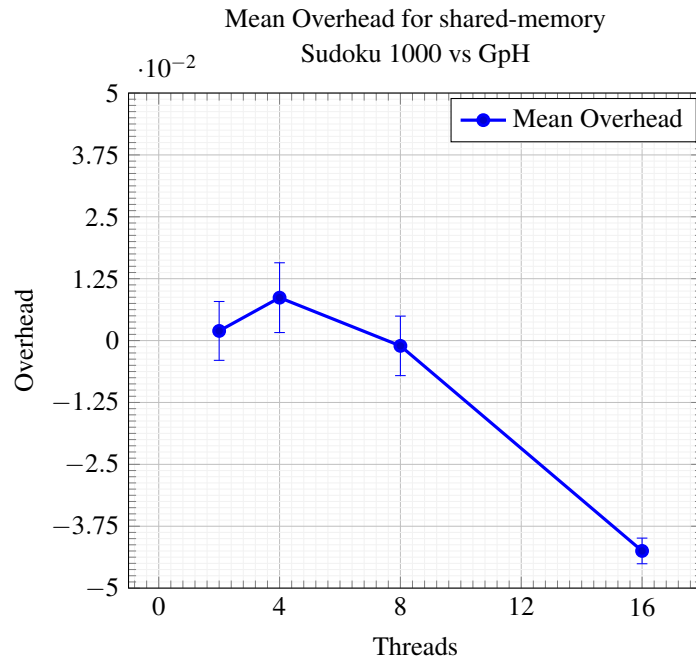
2.3 Gentleman

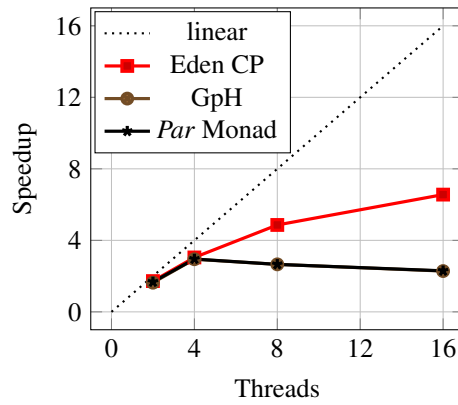#### 2.3.1 Speedup

Parallel speedup of Sudoku '512'

2.3.2 Overhead

Mean Overhead for shared-memory
Gentleman 512 vs Eden CP