



## c6i\_benchmarks

amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.

### Test Systems:

#### Intel Xeon Platinum 8375C

Processor: Intel Xeon Platinum 8375C (2 Cores / 4 Threads), Motherboard: Amazon EC2 c6i.xlarge (1.0 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 8GB, Disk: 21GB Amazon Elastic Block Store, Network: Amazon Elastic

OS: Ubuntu 22.04, Kernel: 5.15.0-1011-aws (x86\_64), Vulkan: 1.2.204, File-System: ext4, System Layer: amazon

Kernel Notes: Transparent Huge Pages: madvise

Processor Notes: CPU Microcode: 0xd000331

Java Notes: OpenJDK Runtime Environment (build 11.0.16+8-post-Ubuntu-0ubuntu122.04)

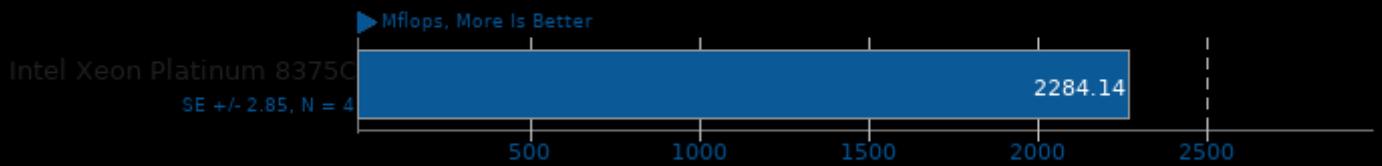
Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx\_async\_abort: Not affected

Intel Xeon Platinum 8375C

<b>Java SciMark - Composite (Mflops)</b>	2284
Standard Deviation	0.2%
<b>Java SciMark - Monte Carlo (Mflops)</b>	860.46
Standard Deviation	0%
<b>Java SciMark - F.F.T (Mflops)</b>	1295
Standard Deviation	2.2%
<b>Java SciMark - S.M.M (Mflops)</b>	2204
Standard Deviation	0%
<b>Java SciMark - D.L.M.F (Mflops)</b>	5603
Standard Deviation	0.1%
<b>Java SciMark - J.S.O.R (Mflops)</b>	1459
Standard Deviation	0%
<b>Bork File Encrypter - F.E.T (sec)</b>	10.902
Standard Deviation	9.8%
<b>Java Gradle Build - Reactor (sec)</b>	271.113
Standard Deviation	3.4%
<b>DaCapo Benchmark - H2 (msec)</b>	3351
Standard Deviation	2.5%
<b>DaCapo Benchmark - Jython (msec)</b>	5417
Standard Deviation	3.7%
<b>DaCapo Benchmark - Tradesoap (msec)</b>	10105
Standard Deviation	2.5%
<b>DaCapo Benchmark - Tradebeans (msec)</b>	4174
Standard Deviation	2%
<b>Renaissance - Scala Dotty (ms)</b>	1279
Standard Deviation	6%
<b>Renaissance - Rand Forest (ms)</b>	973.4
Standard Deviation	1.1%
<b>Renaissance - ALS Movie Lens (ms)</b>	9558
Standard Deviation	0.8%
<b>Renaissance - Apache Spark ALS (ms)</b>	5791
Standard Deviation	0.3%
<b>Renaissance - Apache Spark Bayes (ms)</b>	12220
Standard Deviation	2.4%
<b>Renaissance - Savina Reactors.IO (ms)</b>	10145
Standard Deviation	2.3%
<b>Renaissance - A.S.P (ms)</b>	5576
Standard Deviation	2.4%
<b>Renaissance - F.H.R (ms)</b>	4127
Standard Deviation	0.6%
<b>Renaissance - I.M.D.S (ms)</b>	6180
Standard Deviation	0.5%
<b>Renaissance - A.U.C.T (ms)</b>	14984
Standard Deviation	0.3%
<b>Renaissance - G.A.U.J.F (ms)</b>	1901
Standard Deviation	0.5%
<b>Java JMH - Throughput (Ops/s)</b>	3480229710
<b>Sunflow Rendering System - G.I.I.S (sec)</b>	4.284
Standard Deviation	2.4%

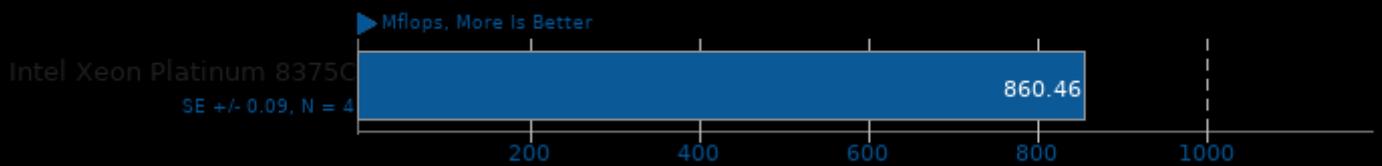
### Java SciMark 2.0

Computational Test: Composite



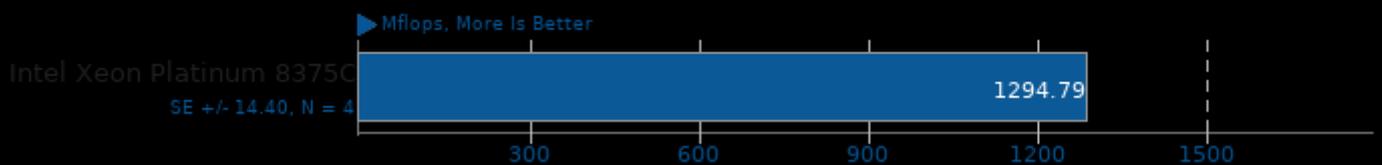
### Java SciMark 2.0

Computational Test: Monte Carlo



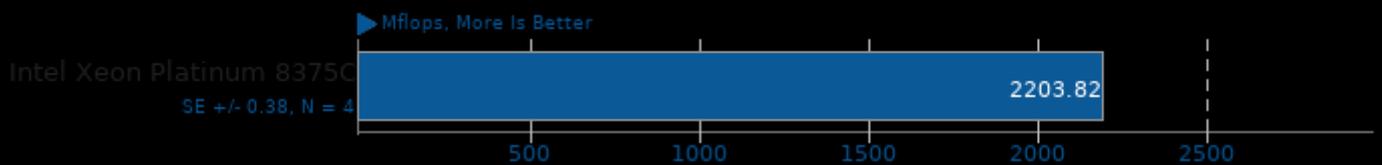
### Java SciMark 2.0

Computational Test: Fast Fourier Transform



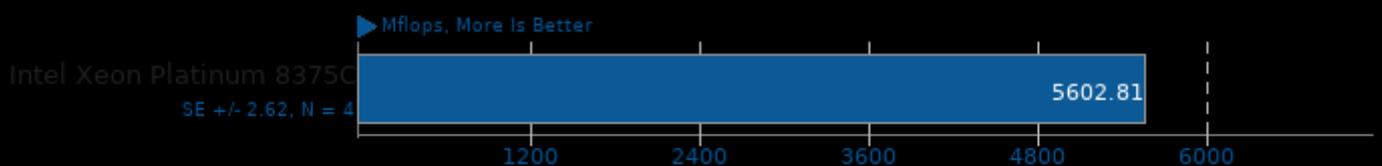
### Java SciMark 2.0

Computational Test: Sparse Matrix Multiply



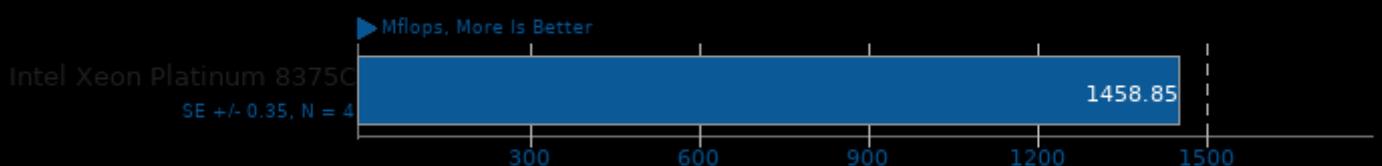
### Java SciMark 2.0

Computational Test: Dense LU Matrix Factorization



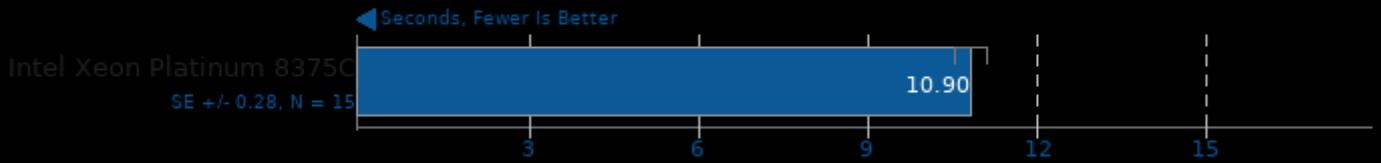
### Java SciMark 2.0

Computational Test: Jacobi Successive Over-Relaxation



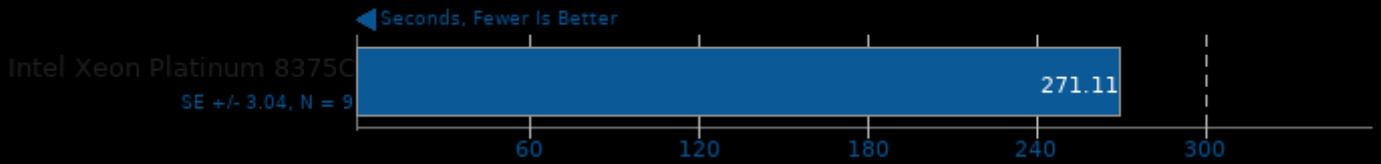
### Bork File Encrypter 1.4

File Encryption Time



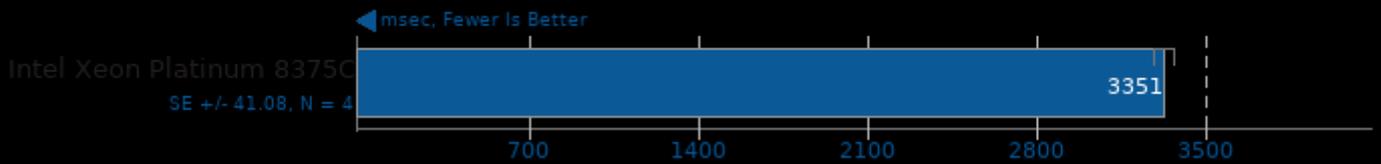
### Java Gradle Build

Gradle Build: Reactor



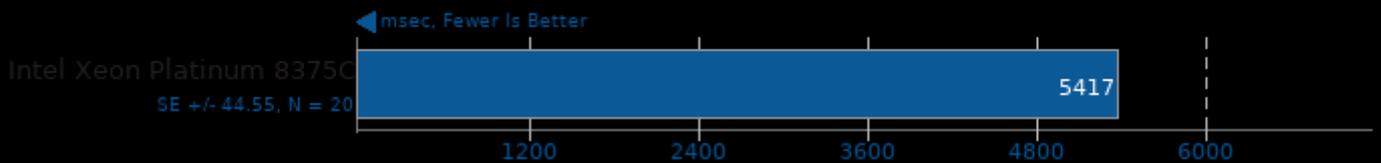
### DaCapo Benchmark 9.12-MR1

Java Test: H2



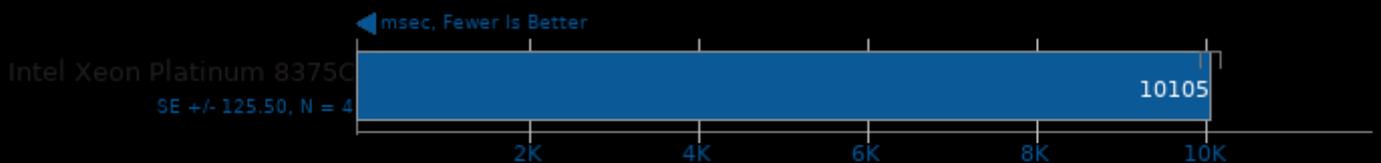
### DaCapo Benchmark 9.12-MR1

Java Test: Jython



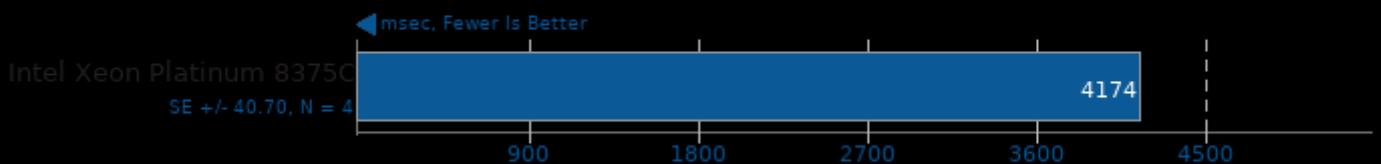
### DaCapo Benchmark 9.12-MR1

Java Test: Tradesoap



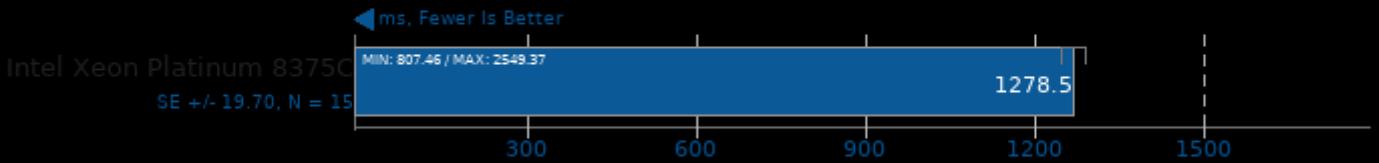
### DaCapo Benchmark 9.12-MR1

Java Test: Tradebeans



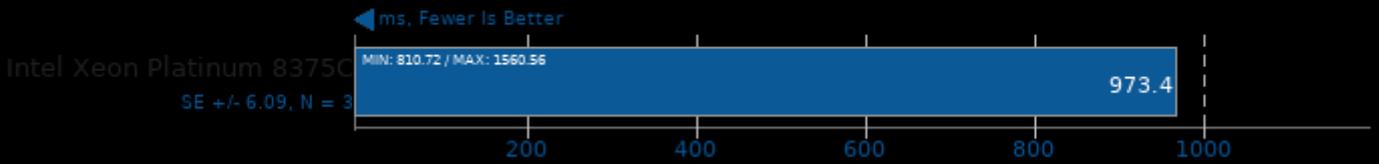
### Renaissance 0.14

Test: Scala Dotty



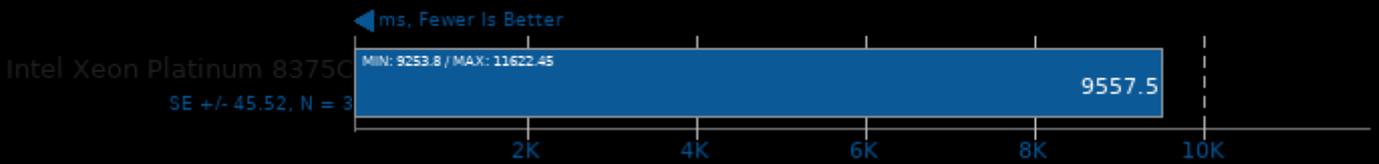
### Renaissance 0.14

Test: Random Forest



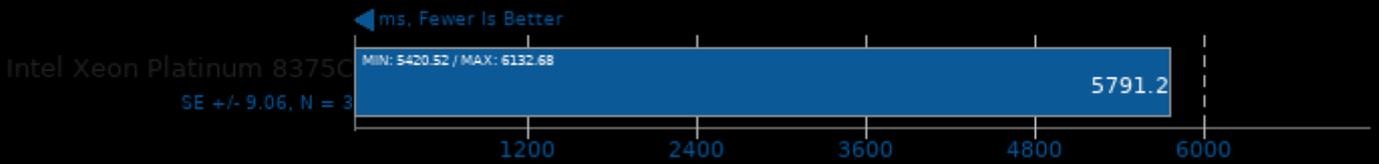
### Renaissance 0.14

Test: ALS Movie Lens



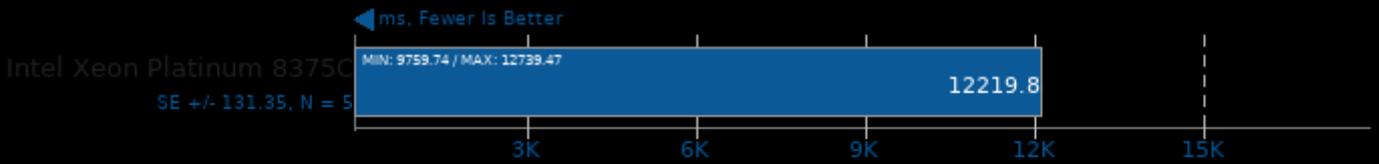
### Renaissance 0.14

Test: Apache Spark ALS



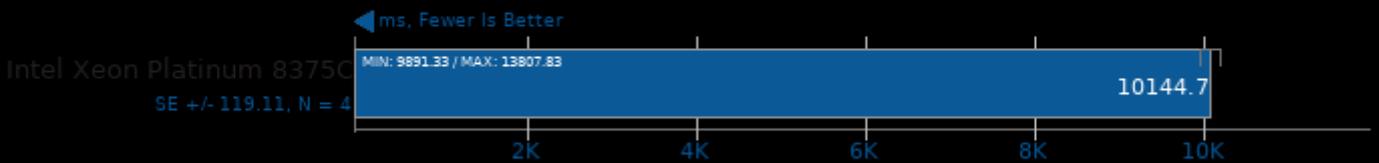
### Renaissance 0.14

Test: Apache Spark Bayes



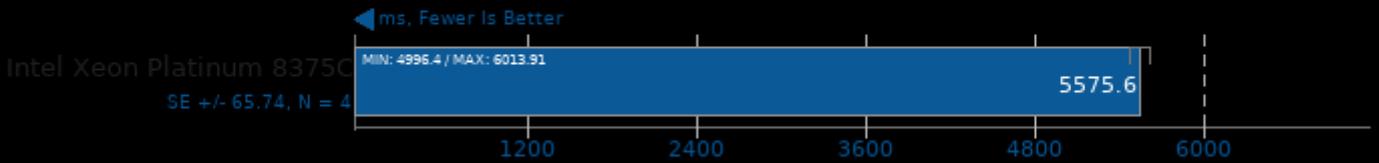
### Renaissance 0.14

Test: Savina Reactors.IO



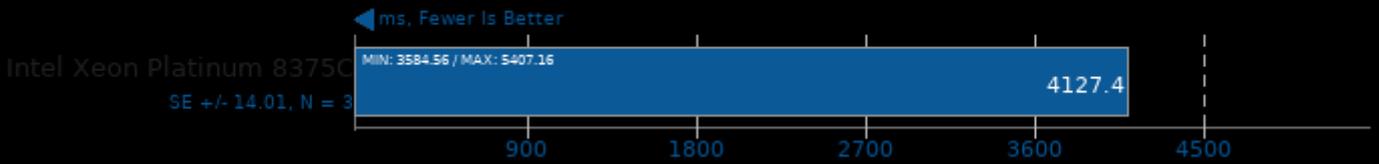
### Renaissance 0.14

Test: Apache Spark PageRank



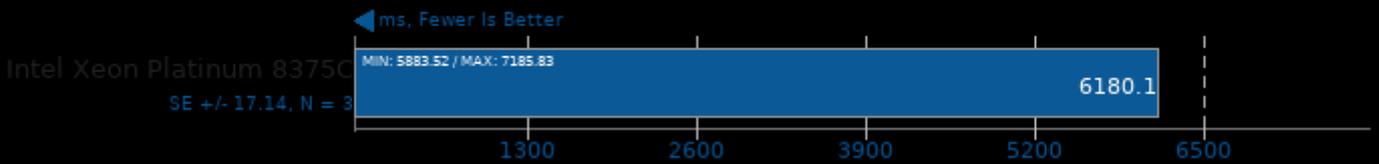
### Renaissance 0.14

Test: Finagle HTTP Requests



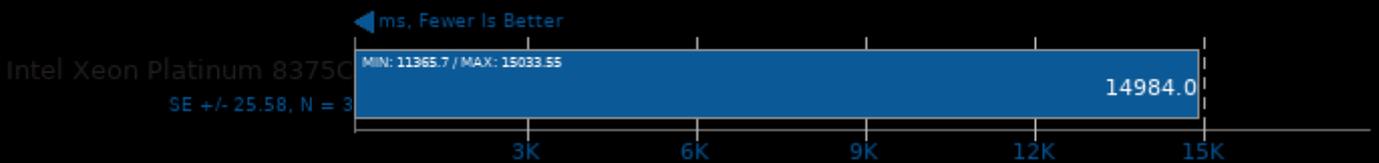
### Renaissance 0.14

Test: In-Memory Database Shootout



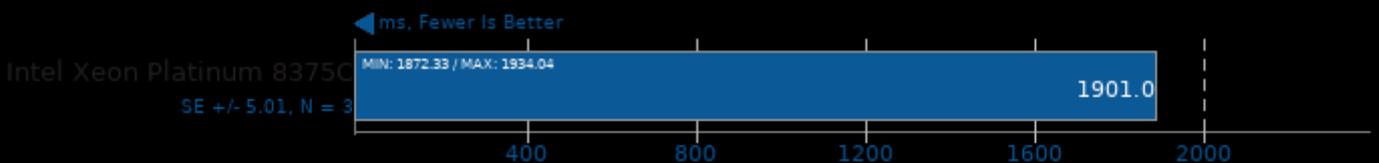
### Renaissance 0.14

Test: Akka Unbalanced Cobwebbed Tree



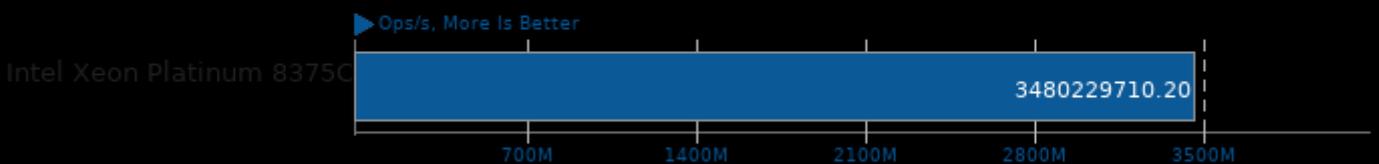
### Renaissance 0.14

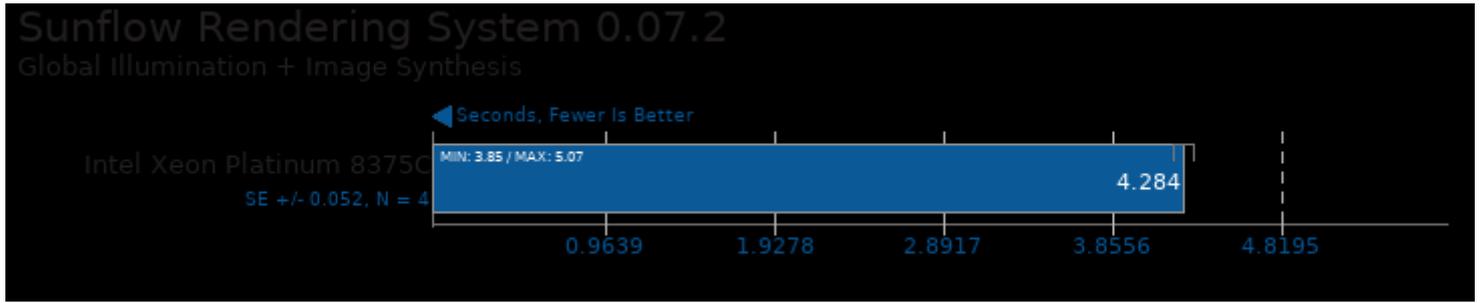
Test: Genetic Algorithm Using Jenetics + Futures



### Java JMH

Throughput





This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 18:37.