



CINT2000 Result

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Dell

Precision Workstation 690 (Intel Xeon processor E5320, 1.86 GHz)

SPECint_rate2000 = 144

SPECint_rate_base2000 = 144

SPEC license #: 55 | Tested by: Dell, Inc., Round Rock, TX | Test date: Oct-2006 | Hardware Avail: Nov-2006 | Software Avail: May-2006

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 8 | 125 | 104 | 8 | 125 | 104 |
| 175.vpr | 8 | 128 | 102 | 8 | 126 | 103 |
| 176.gcc | 8 | 60.0 | 170 | 8 | 60.0 | 170 |
| 181.mcf | 8 | 203 | 82.2 | 8 | 203 | 82.2 |
| 186.crafty | 8 | 59.0 | 157 | 8 | 59.1 | 157 |
| 197.parser | 8 | 140 | 120 | 8 | 139 | 120 |
| 252.eon | 8 | 53.8 | 224 | 8 | 53.5 | 225 |
| 253.perlbnk | 8 | 83.7 | 200 | 8 | 83.7 | 200 |
| 254.gap | 8 | 81.6 | 125 | 8 | 81.1 | 126 |
| 255.vortex | 8 | 72.6 | 243 | 8 | 72.6 | 243 |
| 256.bzip2 | 8 | 134 | 104 | 8 | 133 | 104 |
| 300.twolf | 8 | 141 | 198 | 8 | 141 | 198 |

Hardware

CPU: Quad-Core Intel Xeon processor E5320 (1066 MHz system bus)
CPU MHz: 1866
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8 GB (8 x 1 GB 667 MHz CL5 FB-DIMM DDR2 SDRAM)
Disk Subsystem: 1 x 73GB SAS 10K RPM
Other Hardware:

Software

Operating System: Windows XP Professional x64 Edition
Compiler: Intel C++ Compiler 9.1 for IA32(20060519Z)
Microsoft Visual Studio .NET 2003(7.1.3088)
MicroQuill SmartHeap Library 8.0
File System: NTFS
System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast +FDO shlw32M.lib
C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
175.vpr: -fast +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Oa +FDO shlw32M.lib
197.parser: -fast +FDO
252.eon: -fast +FDO
253.perlbnk: basepeak=yes



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Notes/Tuning Information (Continued)

254.gap: -fast +FDO
255.vortex basepeak=yes
256.bzip2: -fast -Qunroll11 -Oa +FDO
300.twolf: basepeak=yes