



CINT2000 Result

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Dell

Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECint2000 = 1294

SPECint_base2000 = 1242

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jun-2003 Hardware Avail: Jul-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
164.gzip	1400	116	1203	116	1207	[Bar chart showing ratio]			
175.vpr	1400	154	907	156	900	[Bar chart showing ratio]			
176.gcc	1100	68.1	1614	68.0	1618	[Bar chart showing ratio]			
181.mcf	1800	224	805	218	827	[Bar chart showing ratio]			
186.crafty	1000	84.4	1185	84.4	1185	[Bar chart showing ratio]			
197.parser	1800	152	1185	152	1183	[Bar chart showing ratio]			
252.eon	1300	95.5	1361	82.3	1580	[Bar chart showing ratio]			
253.perlbmk	1800	133	1358	126	1431	[Bar chart showing ratio]			
254.gap	1100	68.7	1600	68.7	1600	[Bar chart showing ratio]			
255.vortex	1900	95.3	1995	95.3	1995	[Bar chart showing ratio]			
256.bzip2	1500	154	975	148	1011	[Bar chart showing ratio]			
300.twolf	3000	255	1177	202	1482	[Bar chart showing ratio]			

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024KB
 Other Cache: N/A
 Memory: 4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
 Disk Subsystem: 1 x 36GB 10K U320 SCSI
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C++ Compiler 7.1 (20030402Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

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

FEEDBACK DIRECTED OPTIMIZATION

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

BASE TUNING

C: -QxW -Qipo -O3 +FDO
 C++: -QxW -Qipo -GX -GR

PEAK TUNING

164.gzip: -QxW -Qipo -Oa -O3 +FDO
 175.vpr: -QxW -Qipo -O3 +FDO
 176.gcc: -QxW -Qipo -O3 +FDO
 181.mcf: -QxW -Qipo -O3 +FDO shlw32M.lib
 186.crafty: -QxW -Qipo -O3 +FDO
 197.parser: -QxW -Qipo -O3 +FDO
 252.eon: -QxW -Qipo -O3 +FDO
 253.perlbmk: -QxW -Qipo -O3 +FDO shlw32M.lib



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll11 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
NOTES:
1 CPU disabled via BIOS setting.
```