### CINT2000 Result

**Dell**

**Precision Workstation 690 (Intel® Xeon® processor 5160, 3.0 GHz)**

**SPECint2000 = 3059**

**SPECint_base2000 = 3055**

**SPEC license #: 55**

**Tested by:** Dell, Round Rock, TX

**Test date:** Apr-2006

**Hardware Avail:** Jun-2006

**Software Avail:** May-2006

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<tr>
<th>Benchmark</th>
<th>Reference Time</th>
<th>Base Runtime</th>
<th>Base Ratio</th>
<th>Runtime</th>
<th>Ratio</th>
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<td>76.4</td>
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</table>

#### Hardware

- **CPU:** Intel® Xeon® processor 5160 (1333 MHz system bus)
- **CPU MHz:** 3000
- **FPU:** Integrated
- **CPU(s) enabled:** 4 cores, 2 chips, 2 cores/chip
- **CPU(s) orderable:** 1,2
- **Parallel:** No
- **Primary Cache:** 32KB(I) + 32KB(D) on chip, per core
- **Secondary Cache:** 4096KB(I+D) on chip, shared
- **L3 Cache:** N/A
- **Other Cache:** N/A
- **Memory:** 4 x 1024MB 667MHz ECC CL5 DDR2 FB-DIMM
- **Disk Subsystem:** 1 x 73GB SAS 10K RPM

#### Software

- **Operating System:** Windows XP Professional SP2
- **Compiler:** Intel C/C++ Compiler 9.1 for IA32(20060323Z)
  - 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.perlbmk: -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.perlbmk: basepeak=yes
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SPECint2000 = 3059
SPECint_base2000 = 3055

Notes/Tuning Information (Continued)

254.gap:   -fast +FDO
255.vortex basepeak=yes
256.bzip2: -fast -Qunroll1 -Oa +FDO
300.twolf: basepeak=yes