



CFP2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Dell
Precision Workstation 690 (Intel Xeon 5160, 3.00 GHz)

SPECfp2000 = 2844
SPECfp_base2000 = 2844

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|--------------|----------------|--------------|------------|---------|-------|
| 168.wupwise | 1600 | 40.6 | 3943 | 40.6 | 3943 |
| 171.swim | 3100 | 107 | 2900 | 107 | 2900 |
| 172.mgrid | 1800 | 101 | 1779 | 101 | 1779 |
| 173.applu | 2100 | 96.5 | 2177 | 96.5 | 2177 |
| 177.mesa | 1400 | 50.0 | 2799 | 50.0 | 2799 |
| 178.galgel | 2900 | 40.6 | 7141 | 40.6 | 7141 |
| 179.art | 2600 | 24.9 | 10439 | 24.9 | 10439 |
| 183.quake | 1300 | 39.9 | 3260 | 39.9 | 3260 |
| 187.facerec | 1900 | 61.9 | 3069 | 61.9 | 3069 |
| 188.amp | 2200 | 107 | 2065 | 107 | 2065 |
| 189.lucas | 2000 | 69.7 | 2869 | 69.7 | 2869 |
| 191.fma3d | 2100 | 99.4 | 2114 | 99.4 | 2114 |
| 200.sixtrack | 1100 | 91.8 | 1198 | 91.8 | 1198 |
| 301.apsi | 2600 | 159 | 1631 | 159 | 1631 |

Hardware

CPU: Quad-Core Intel Xeon processor 5160 (1333 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4 MB I+D on chip per chip
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)
Intel Fortran 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
  178.galgel: -FI /F32000000
BASE TUNING
  FORTRAN: -fast +FDO
  C : -fast +FDO shlw32M.lib
PEAK TUNING
  basepeak=yes
BIOS Settings
  Snoop Filter OFF
  Adjacent Cache Line Prefetch ON

```