



CFP2000 Result

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Dell

PowerEdge 860 (Intel Xeon processor 3070, 2.66GHz)

SPECfp_rate2000 = 46.7

SPECfp_rate_base2000 = 46.7

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jul-2006 | Hardware Avail: Sep-2006 | Software Avail: May-2006

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 51.3 | 72.4 | 2 | 51.3 | 72.4 |
| 171.swim | 2 | 220 | 32.7 | 2 | 220 | 32.7 |
| 172.mgrid | 2 | 140 | 29.9 | 2 | 140 | 29.9 |
| 173.applu | 2 | 161 | 30.3 | 2 | 161 | 30.3 |
| 177.mesa | 2 | 54.5 | 59.6 | 2 | 54.5 | 59.6 |
| 178.galgel | 2 | 57.3 | 117 | 2 | 57.3 | 117 |
| 179.art | 2 | 47.0 | 128 | 2 | 47.0 | 128 |
| 183.equake | 2 | 62.0 | 48.6 | 2 | 61.9 | 48.7 |
| 187.facerec | 2 | 79.3 | 55.6 | 2 | 79.8 | 55.2 |
| 188.amp | 2 | 138 | 36.9 | 2 | 139 | 36.6 |
| 189.lucas | 2 | 129 | 35.9 | 2 | 129 | 35.9 |
| 191.fma3d | 2 | 136 | 35.9 | 2 | 136 | 35.9 |
| 200.sixtrack | 2 | 104 | 24.5 | 2 | 104 | 24.5 |
| 301.apsi | 2 | 154 | 39.2 | 2 | 154 | 39.2 |

Hardware

CPU: Intel Xeon processor 3070 (1066MHz system bus)
CPU MHz: 2666
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1GB DDR2-667 Dual Ranked SDRAM
Disk Subsystem: 1 x 73GB SAS 10000 RPM
Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
Compiler: Intel C++ Compiler 9.1 for IA32(20060323Z)
Intel Fortran 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

178.galgel: -FI /F32000000

BASE TUNING

FORTRAN: -fast -Qansi_alias +FDO
177.mesa: -fast +FDO shlW32M.lib
179.art: -fast +FDO shlW32M.lib
183.equake: -fast +FDO shlW32M.lib
188.amp: -fast +FDO shlW32M.lib

PEAK TUNING

168.wupwise: basepeak=yes
171.swim: basepeak=yes
172.mgrid: basepeak=yes
173.applu: basepeak=yes
177.mesa: basepeak=yes



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Notes/Tuning Information (Continued)

```
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: -fast -Oa -Qrcd +FDO shlW32M.lib
187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: -fast -Oa shlW32M.lib
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: -fast +FDO
301.apsi: basepeak=yes
```