



# CFP2000 Result

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## Dell

PowerEdge 2950 (Intel Xeon 5110 Processor, 1.60GHz)

SPECfp\_rate2000 = 60.2

SPECfp\_rate\_base2000 = 60.3

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

| Benchmark    | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise  | 4           | 81.7         | 90.9       | 4      | 81.7    | 90.9  |
| 171.swim     | 4           | 300          | 47.9       | 4      | 300     | 47.9  |
| 172.mgrid    | 4           | 213          | 39.2       | 4      | 213     | 39.2  |
| 173.applu    | 4           | 209          | 46.6       | 4      | 209     | 46.6  |
| 177.mesa     | 4           | 88.9         | 73.0       | 4      | 88.9    | 73.0  |
| 178.galgel   | 4           | 89.7         | 150        | 4      | 89.7    | 150   |
| 179.art      | 4           | 70.4         | 171        | 4      | 70.4    | 171   |
| 183.equake   | 4           | 103          | 58.4       | 4      | 103     | 58.4  |
| 187.facerec  | 4           | 123          | 71.5       | 4      | 124     | 71.0  |
| 188.amp      | 4           | 229          | 44.6       | 4      | 230     | 44.5  |
| 189.lucas    | 4           | 178          | 52.1       | 4      | 178     | 52.1  |
| 191.fma3d    | 4           | 212          | 46.0       | 4      | 212     | 46.0  |
| 200.sixtrack | 4           | 175          | 29.2       | 4      | 175     | 29.1  |
| 301.apsi     | 4           | 279          | 43.2       | 4      | 279     | 43.2  |

### Hardware

CPU: Intel Xeon Processor 5110 (1066MHz system bus)  
 CPU MHz: 1600  
 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: 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM  
 Disk Subsystem: 6 x 146GB 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: ext3  
 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
```