



# CFP2000 Result

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**Dell**  
PowerEdge 860 (Intel Xeon processor 3050, 2.13GHz)

SPECfp\_rate2000 = 37.5  
SPECfp\_rate\_base2000 = 37.5

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           | 54.3         | 68.3       | 2      | 54.3    | 68.3  |
| 171.swim     | 2           | 217          | 33.2       | 2      | 217     | 33.2  |
| 172.mgrid    | 2           | 151          | 27.6       | 2      | 151     | 27.6  |
| 173.applu    | 2           | 174          | 28.0       | 2      | 174     | 28.0  |
| 177.mesa     | 2           | 67.6         | 48.1       | 2      | 67.6    | 48.1  |
| 178.galgel   | 2           | 109          | 61.9       | 2      | 109     | 61.9  |
| 179.art      | 2           | 92.6         | 65.1       | 2      | 92.6    | 65.1  |
| 183.equake   | 2           | 67.1         | 44.9       | 2      | 67.0    | 45.0  |
| 187.facerec  | 2           | 101          | 43.6       | 2      | 102     | 43.4  |
| 188.amp      | 2           | 212          | 24.1       | 2      | 216     | 23.6  |
| 189.lucas    | 2           | 135          | 34.3       | 2      | 135     | 34.3  |
| 191.fma3d    | 2           | 153          | 31.8       | 2      | 153     | 31.8  |
| 200.sixtrack | 2           | 132          | 19.3       | 2      | 132     | 19.3  |
| 301.apsi     | 2           | 186          | 32.4       | 2      | 186     | 32.4  |

### Hardware

CPU: Intel Xeon processor 3050 (1066MHz system bus)  
 CPU MHz: 2133  
 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: 2048KB(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
```