



# CFP2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Dell

PowerEdge 860 (Intel Xeon processor X3220, 2.40GHz)

SPECfp\_rate2000 = 60.9

SPECfp\_rate\_base2000 = 60.9

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jan-2007 | Hardware Avail: Jan-2007 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	94.0	79.0	4	94.0	79.0
171.swim	4	426	33.7	4	426	33.7
172.mgrid	4	256	32.6	4	256	32.6
173.applu	4	292	33.4	4	292	33.4
177.mesa	4	63.7	102	4	63.7	102
178.galgel	4	77.3	174	4	77.3	174
179.art	4	71.2	170	4	71.2	170
183.equake	4	124	48.5	4	124	48.5
187.facerec	4	111	79.7	4	111	79.7
188.amp	4	161	63.4	4	161	63.4
189.lucas	4	258	35.9	4	258	35.9
191.fma3d	4	227	43.0	4	227	43.0
200.sixtrack	4	117	43.7	4	117	43.7
301.apsi	4	181	66.8	4	181	66.8

### Hardware

CPU: Intel Xeon processor X3220 (1066MHz system bus)  
CPU MHz: 2400  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip per core  
Secondary Cache: 8 MB I+D on chip (4 MB shared per 2 cores)  
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 Standard 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 -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



# CFP2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Dell

PowerEdge 860 (Intel Xeon processor X3220, 2.40GHz)

SPECfp\_rate2000 = 60.9

SPECfp\_rate\_base2000 = 60.9

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jan-2007 | Hardware Avail: Jan-2007 | Software Avail: May-2006

## Notes/Tuning Information (Continued)

```
178.galgel: basepeak=yes
179.art: basepeak=yes
183.equake: -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
Adjacent Sector Prefetch disabled in BIOS, default enabled
```