



CFP2000 Result

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Dell

PowerEdge 840 (Intel Xeon processor X3220, 2.40GHz)

SPECfp_rate2000 = 60.5

SPECfp_rate_base2000 = 60.5

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	95.0	78.1	4	95.0	78.1
171.swim	4	431	33.3	4	431	33.3
172.mgrid	4	260	32.1	4	260	32.1
173.applu	4	296	32.9	4	296	32.9
177.mesa	4	63.1	103	4	63.1	103
178.galgel	4	77.4	174	4	77.4	174
179.art	4	71.6	168	4	71.6	168
183.equake	4	125	48.1	4	125	48.1
187.facerec	4	112	78.7	4	112	78.7
188.amp	4	161	63.2	4	161	63.2
189.lucas	4	263	35.3	4	263	35.3
191.fma3d	4	226	43.2	4	226	43.2
200.sixtrack	4	117	43.7	4	117	43.7
301.apsi	4	182	66.3	4	182	66.3

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



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Notes/Tuning Information (Continued)

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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
```