



CFP2000 Result

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Bull

NovaScale T840 (3.00 GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 75.9

SPECfp_rate_base2000 = 74.4

SPEC license #: 20 | Tested by: Bull | Test date: Feb-2007 | Hardware Avail: Jul-2006 | Software Avail: Dec-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.5	107	4	69.5	107
171.swim	4	294	48.9	4	294	48.9
172.mgrid	4	180	46.4	4	180	46.4
173.applu	4	224	43.5	4	224	43.5
177.mesa	4	53.8	121	4	53.8	121
178.galgel	4	62.4	216	4	62.4	216
179.art	4	77.1	157	4	77.1	157
183.equake	4	121	50.0	4	90.9	66.3
187.facerec	4	99.3	88.8	4	99.3	88.8
188.amp	4	121	84.1	4	121	84.1
189.lucas	4	196	47.3	4	196	47.3
191.fma3d	4	167	58.4	4	167	58.4
200.sixtrack	4	95.2	53.6	4	95.2	53.6
301.apsi	4	179	67.3	4	179	67.3

Hardware

CPU: Intel Xeon Processor 5160 (1333 MHz bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1 to 2
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip per core
 Secondary Cache: 4096KB(I+D) on chip per chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 1GB (667 MHz ECC CL5 DDR2 FB-DIMM)
 Disk Subsystem: 3x73GB SCSI 15000 rpm
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise X64 Edition
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1.033
 - Build 20060928Z Package ID: W_CC_C_9.1.033
 Intel(R) Fortran Compiler for 32-bit app., Version 9.1.033
 - Build 20061103Z Package ID: W_FC_C_9.1.033
 Microsoft Visual Studio .NET 2003 (for libraries)
 MicroQuill SmartHeap Library 8.0 (sh1W32M.lib)
 File System: NTFS
 System State: Default

Notes/Tuning Information

Portability flags:

178.galgel: -FI /F32000000

Feedback optimization:

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:

for C programs:
 -fast -Qansi_alias +FDO
 for Fortran programs:
 -fast -Qansi_alias +FDO

Peak Tuning Flags:

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



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Notes/Tuning Information (Continued)

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

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