



CFP2000 Result

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Bull

NovaScale B280 (Intel Xeon processor 5150, 2.66 GHz)

SPECfp_rate2000 = 77.2

SPECfp_rate_base2000 = 76.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.0	108	4	69.0	108
171.swim	4	266	54.1	4	266	54.1
172.mgrid	4	168	49.8	4	168	49.8
173.applu	4	189	51.4	4	189	51.4
177.mesa	4	60.0	108	4	58.9	110
178.galgel	4	63.3	212	4	63.3	212
179.art	4	63.7	189	4	63.7	189
183.equake	4	89.9	67.1	4	89.9	67.1
187.facerec	4	97.4	90.6	4	97.4	90.6
188.amp	4	158	64.5	4	131	78.1
189.lucas	4	178	52.0	4	178	52.0
191.fma3d	4	170	57.4	4	170	57.4
200.sixtrack	4	106	48.3	4	106	48.3
301.apsi	4	204	59.1	4	204	59.1

Hardware

CPU: Intel Xeon Processor 5150 (2.66 GHz, 4MB L2, 1333MHz bus)
 CPU MHz: 2660
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1 to 2 chips
 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: 8GB (1GB DIMMx8, FB-DIMM PC2-5300F ECC CL5)
 Disk Subsystem: 1x73GB SAS 10000 rpm
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack 1
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20061103Z Package ID: W_CC_C_9.1.033
 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20061103Z Package ID: W_FC_C_9.1.033
 Microsoft Visual Studio .NET 2003 (for libraries)
 MicroQuill SmartHeap Library 8.0 (shlW32M.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 +FDO ONESTEP=yes shlW32M.lib
 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: -fast +FDO ONESTEP=yes
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: basepeak=yes
187.facerec: basepeak=yes
188.ammp: -fast +FDO ONESTEP=yes
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes
```

Other Configuration Notes

For information about Bull please see:
<http://www.bull.com>