CFP2000 Result

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Bull

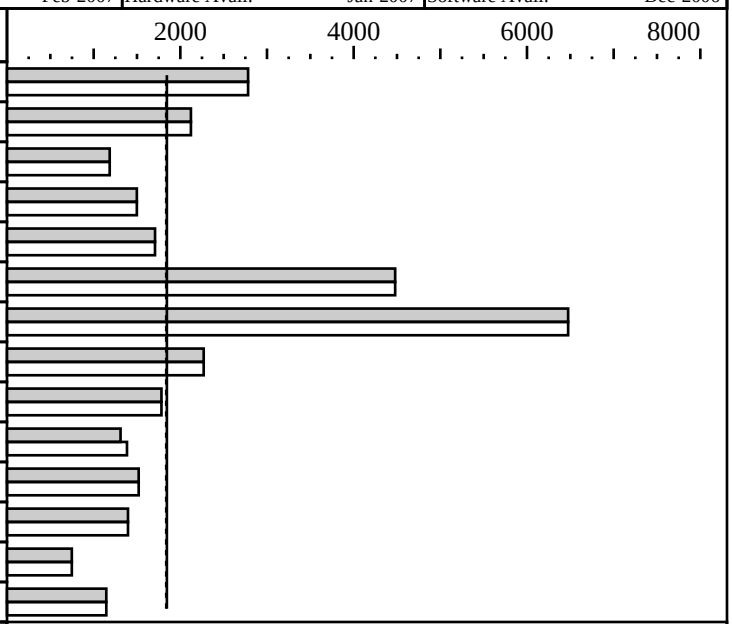
NovaScale B280 (Intel Xeon processor E5320, 1.86 GHz)

SPECfp2000 = 1845

SPECfp_base2000 = 1837

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	57.5	2782	57.5	2782
171.swim	3100	146	2122	146	2122
172.mgrid	1800	152	1185	152	1185
173.applu	2100	140	1498	140	1498
177.mesa	1400	82.0	1708	82.0	1708
178.galgel	2900	64.8	4479	64.8	4479
179.art	2600	40.2	6475	40.2	6475
183.equake	1300	57.3	2270	57.3	2270
187.facerec	1900	107	1782	107	1782
188.ammp	2200	168	1310	159	1385
189.lucas	2000	132	1519	132	1519
191.fma3d	2100	150	1396	150	1396
200.sixtrack	1100	147	748	147	748
301.apsi	2600	227	1146	227	1146



Hardware

CPU:	Intel Xeon Processor E5320 (1.86 GHz, 8MB L2, 1066MHz bus)
CPU MHz:	1860
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 4 cores/chip
CPU(s) orderable:	1 to 2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared by 2 cores)
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 Pack1
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.equake:   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
    /NUMPROC=1 flag was added to boot.ini to invoke
    uniprocessor environment


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