CFP2000 Result

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Bull

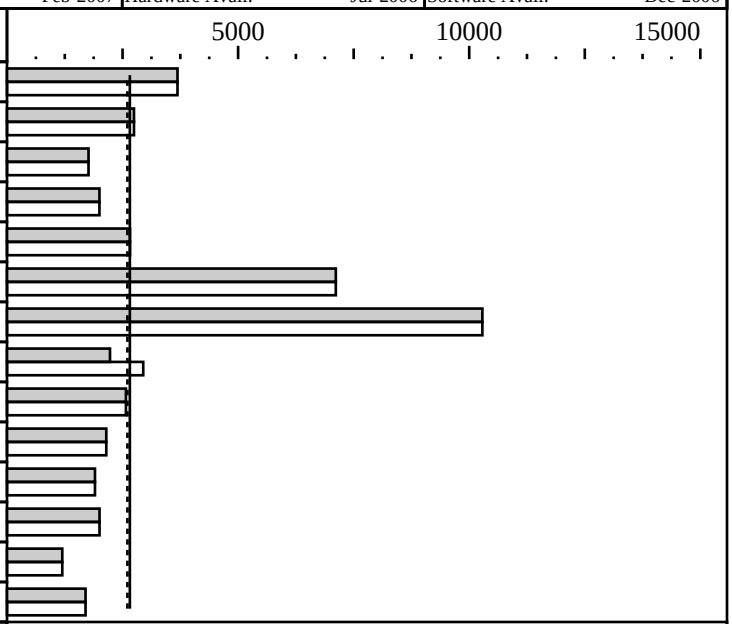
NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECfp2000 = 2658

SPECfp_base2000 = 2605

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	43.4	3689	43.4	3689
171.swim	3100	113	2747	113	2747
172.mgrid	1800	102	1764	102	1764
173.applu	2100	105	2000	105	2000
177.mesa	1400	52.6	2661	52.6	2661
178.galgel	2900	40.8	7114	40.8	7114
179.art	2600	25.3	10284	25.3	10284
183.equake	1300	58.3	2228	44.1	2947
187.facerec	1900	73.8	2573	73.8	2573
188.ammp	2200	102	2148	102	2148
189.lucas	2000	105	1903	105	1903
191.fma3d	2100	105	2002	105	2002
200.sixtrack	1100	92.0	1196	92.0	1196
301.apsi	2600	153	1699	153	1699



Hardware

CPU:	Intel Xeon Processor 5160 (1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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 20061103Z 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 (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 -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.equake:   -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


  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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