CFP2000 Result

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Bull

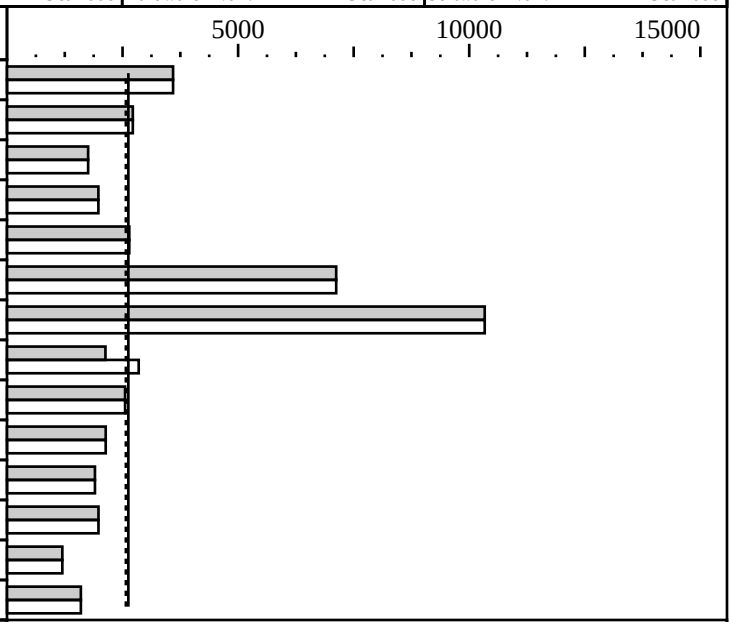
NovaScale R460 (Intel Xeon processor 5160, 3.00 GHz)

SPECfp2000 = 2626

SPECfp_base2000 = 2572

SPEC license #: 20 | Tested by: Bull | Test date: Oct-2006 | Hardware Avail: Oct-2006 | Software Avail: Oct-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	44.5	3593	44.5	3593
171.swim	3100	114	2722	114	2722
172.mgrid	1800	103	1755	103	1755
173.applu	2100	106	1977	106	1977
177.mesa	1400	52.9	2645	52.9	2645
178.galgel	2900	40.7	7122	40.7	7122
179.art	2600	25.2	10335	25.2	10335
183.equake	1300	61.0	2130	45.6	2849
187.facerec	1900	74.4	2555	74.4	2555
188.ammp	2200	103	2136	103	2136
189.lucas	2000	105	1903	105	1903
191.fma3d	2100	106	1979	106	1979
200.sixtrack	1100	91.9	1197	91.9	1197
301.apsi	2600	163	1598	163	1598



Hardware

CPU:	Intel Xeon Processor 5160 (1332MHz 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 (shared)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	12GB (12x1GB 533MHz ECC CL4 DDR2 FB-DIMM)
Disk Subsystem:	2x73GB SAS 15000 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 20060927Z Package ID: W_CC_C_9.1.032 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060927Z Package ID: W_FC_C_9.1.032 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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