CFP2000 Result

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Bull

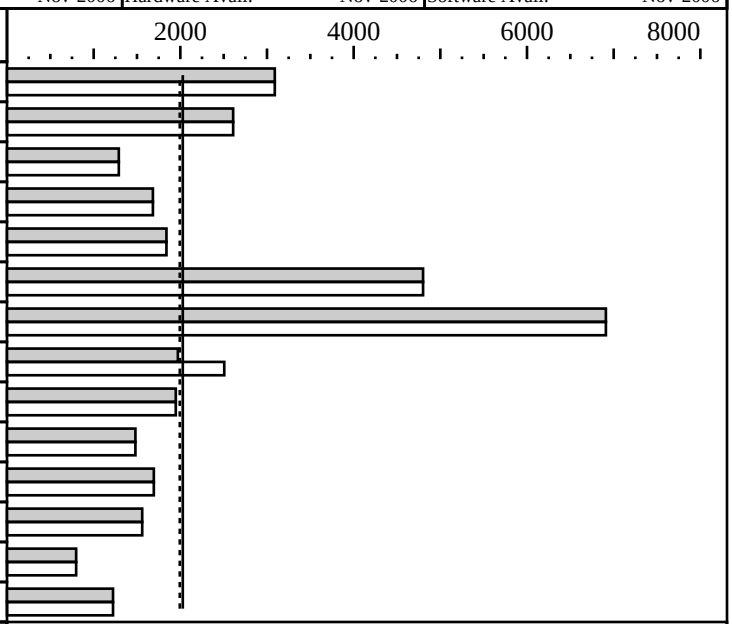
NovaScale R440 (Intel Xeon processor 5130, 2.00 GHz)

SPECfp2000 = 2028

SPECfp_base2000 = 1994

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	51.8	3090	51.8	3090
171.swim	3100	119	2609	119	2609
172.mgrid	1800	140	1290	140	1290
173.applu	2100	125	1684	125	1684
177.mesa	1400	76.1	1840	76.1	1840
178.galgel	2900	60.4	4801	60.4	4801
179.art	2600	37.6	6910	37.6	6910
183.equake	1300	65.9	1972	51.9	2507
187.facerec	1900	97.6	1947	97.6	1947
188.ammp	2200	148	1482	148	1482
189.lucas	2000	118	1694	118	1694
191.fma3d	2100	135	1560	135	1560
200.sixtrack	1100	138	798	138	798
301.apsi	2600	213	1223	213	1223



Hardware

CPU:	Intel Xeon Processor 5130 (1332MHz bus)
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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 (shared)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (8x1GB 533MHz ECC CL4 DDR2 FB-DIMM)
Disk Subsystem:	2x36GB 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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