CFP2000 Result

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Bull

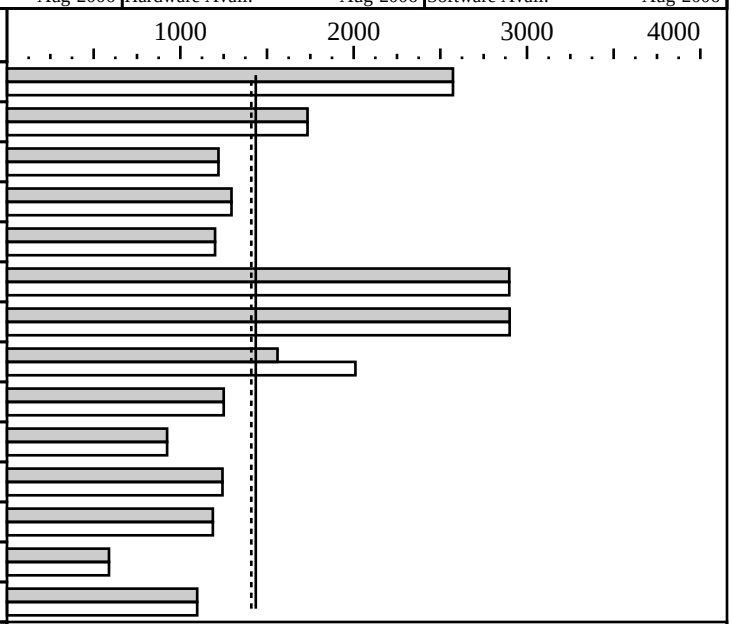
NovaScale T840 (3.0 GHz, Intel Xeon Processor 5050)

SPECfp2000 = 1435

SPECfp_base2000 = 1410

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	62.2	2573	62.2	2573
171.swim	3100	179	1734	179	1734
172.mgrid	1800	148	1220	148	1220
173.applu	2100	162	1295	162	1295
177.mesa	1400	117	1200	117	1200
178.galgel	2900	100	2898	100	2898
179.art	2600	89.7	2900	89.7	2900
183.equake	1300	83.3	1561	64.7	2010
187.facerec	1900	152	1250	152	1250
188.ammp	2200	238	924	238	924
189.lucas	2000	161	1243	161	1243
191.fma3d	2100	177	1188	177	1188
200.sixtrack	1100	187	588	187	588
301.apsi	2600	237	1097	237	1097



Hardware

CPU:	Intel Xeon Processor 5050 (3.0GHz, 2x2MB L2, 667MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (8 x 1GB 533MHz ECC CL4 DDR2 FB-DIMM)
Disk Subsystem:	2x73GB SCSI 10K 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 20060706Z Package ID: W_CC_C_9.1.028 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060706Z Package ID: W_FC_C_9.1.028 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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