CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull

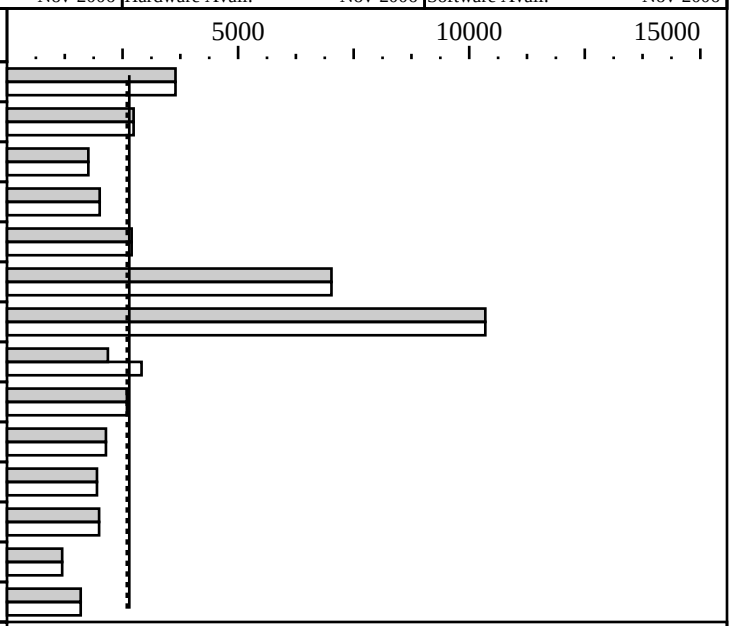
NovaScale R440 (Intel Xeon processor 5160, 3.00 GHz)

SPECfp2000 = 2646

SPECfp_base2000 = 2592

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	43.9	3645	43.9	3645
171.swim	3100	113	2739	113	2739
172.mgrid	1800	102	1760	102	1760
173.applu	2100	105	2005	105	2005
177.mesa	1400	51.9	2696	51.9	2696
178.galgel	2900	41.3	7020	41.3	7020
179.art	2600	25.1	10348	25.1	10348
183.equake	1300	59.6	2183	44.7	2911
187.facerec	1900	73.2	2594	73.2	2594
188.ammp	2200	103	2140	103	2140
189.lucas	2000	103	1946	103	1946
191.fma3d	2100	105	1993	105	1993
200.sixtrack	1100	92.2	1194	92.2	1194
301.apsi	2600	163	1594	163	1594



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 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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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
```