CFP2000 Result

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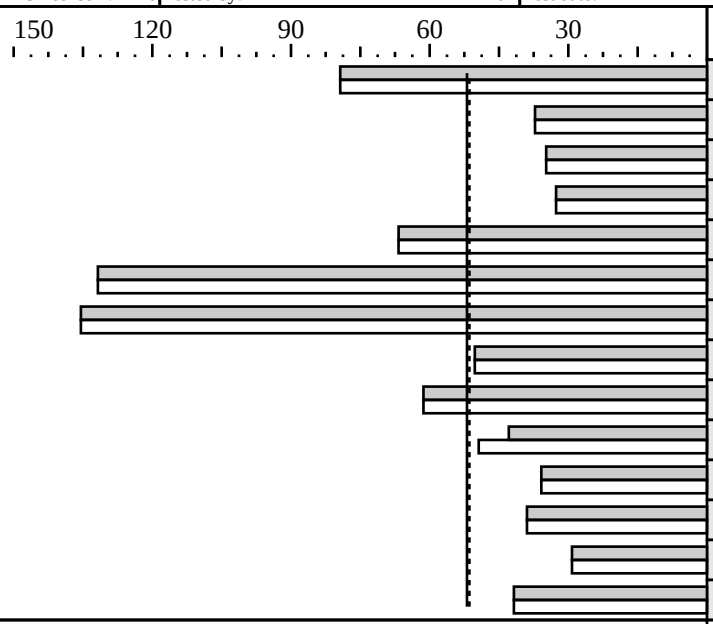
Bull

NovaScale B260 (Intel Xeon processor 5110, 1.60 GHz)

SPECfp_rate2000 = 51.9

SPECfp_rate_base2000 = 51.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	93.6	79.3	4	93.6	79.3
171.swim	4	387	37.2	4	387	37.2
172.mgrid	4	240	34.8	4	240	34.8
173.applu	4	298	32.7	4	298	32.7
177.mesa	4	97.4	66.7	4	97.3	66.7
178.galgel	4	102	132	4	102	132
179.art	4	89.1	135	4	89.1	135
183.equake	4	120	50.2	4	120	50.2
187.facerec	4	144	61.3	4	144	61.3
188.ammp	4	238	42.9	4	207	49.4
189.lucas	4	259	35.8	4	259	35.8
191.fma3d	4	250	38.9	4	250	38.9
200.sixtrack	4	175	29.2	4	175	29.2
301.apsi	4	289	41.8	4	289	41.8

Hardware

CPU:	Intel Xeon Processor 5110 (1.60 GHz, 4MB L2, 1066MHz bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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 by 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (2GB DIMMx4, FB-DIMM PC2-5300F ECC CL5)
Disk Subsystem:	1x73GB SAS 10000 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 20061103Z Package ID: W_CC_C_9.1.033 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - 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 +FDO ONESTEP=yes shlW32M.lib
 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:      -fast +FDO ONESTEP=yes
    178.galgel:    basepeak=yes
    179.art:       basepeak=yes
    183.equake:    basepeak=yes
    187.facerec:   basepeak=yes
    188.ammp:      -fast +FDO ONESTEP=yes
    189.lucas:     basepeak=yes
    191.fma3d:     basepeak=yes
    200.sixtrack:  basepeak=yes
    301.apsi:      basepeak=yes


  Other Configuration Notes


For information about Bull please see:
http://www.bull.com
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