CFP2000 Result

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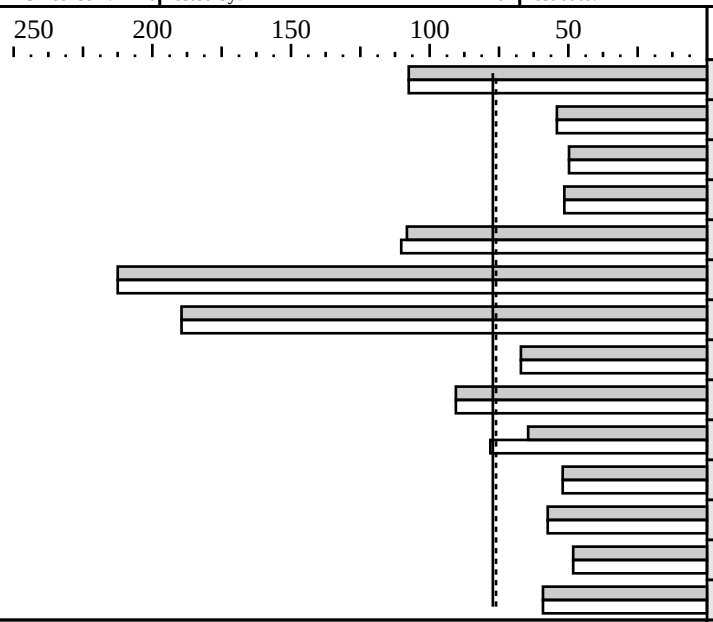
Bull

NovaScale B280 (Intel Xeon processor 5150, 2.66 GHz)

SPECfp_rate2000 = 77.2

SPECfp_rate_base2000 = 76.1

SPEC license #: 20 | Tested by: Bull | Test date: Dec-2006 | Hardware Avail: Jan-2007 | Software Avail: Dec-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.0	108	4	69.0	108
171.swim	4	266	54.1	4	266	54.1
172.mgrid	4	168	49.8	4	168	49.8
173.applu	4	189	51.4	4	189	51.4
177.mesa	4	60.0	108	4	58.9	110
178.galgel	4	63.3	212	4	63.3	212
179.art	4	63.7	189	4	63.7	189
183.equake	4	89.9	67.1	4	89.9	67.1
187.facerec	4	97.4	90.6	4	97.4	90.6
188.ammp	4	158	64.5	4	131	78.1
189.lucas	4	178	52.0	4	178	52.0
191.fma3d	4	170	57.4	4	170	57.4
200.sixtrack	4	106	48.3	4	106	48.3
301.apsi	4	204	59.1	4	204	59.1

Hardware

CPU:	Intel Xeon Processor 5150 (2.66 GHz, 4MB L2, 1333MHz bus)
CPU MHz:	2660
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
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (1GB DIMMx8, 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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