CFP2000 Result

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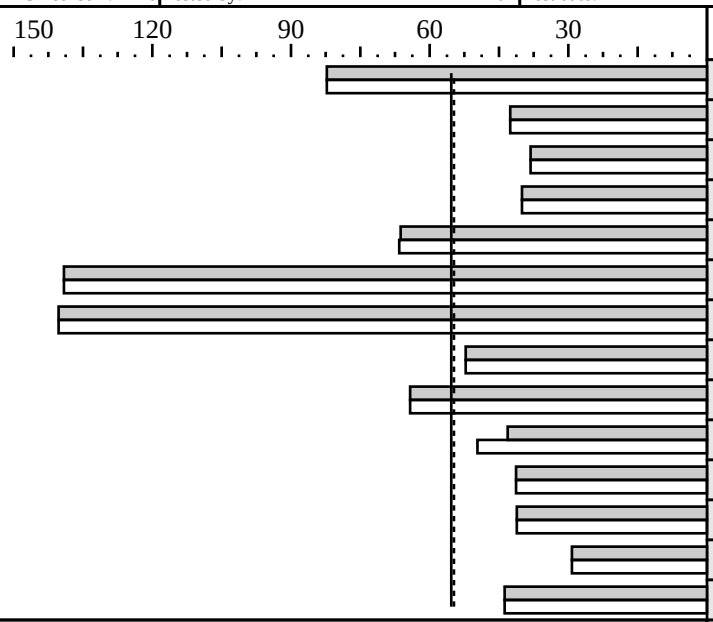
Bull

NovaScale B280 (Intel Xeon processor 5110, 1.60 GHz)

SPECfp_rate2000 = 55.3

SPECfp_rate_base2000 = 54.8

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	90.3	82.2	4	90.3	82.2
171.swim	4	338	42.6	4	338	42.6
172.mgrid	4	219	38.2	4	219	38.2
173.applu	4	243	40.0	4	243	40.0
177.mesa	4	98.0	66.3	4	97.6	66.6
178.galgel	4	96.7	139	4	96.7	139
179.art	4	86.0	140	4	86.0	140
183.equake	4	116	52.2	4	116	52.2
187.facerec	4	137	64.2	4	137	64.2
188.ammp	4	237	43.1	4	206	49.7
189.lucas	4	225	41.3	4	225	41.3
191.fma3d	4	237	41.1	4	237	41.1
200.sixtrack	4	175	29.2	4	175	29.2
301.apsi	4	276	43.8	4	276	43.8

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 (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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