CFP2000 Result

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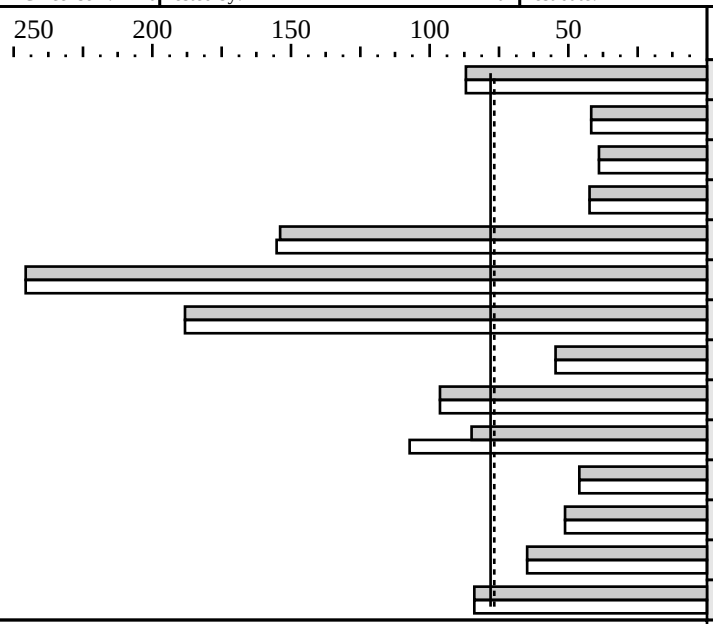
Bull

NovaScale B280 (Intel Xeon processor E5320, 1.86 GHz)

SPECfp_rate2000 = 78.0

SPECfp_rate_base2000 = 76.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	171	86.9	8	171	86.9
171.swim	8	689	41.7	8	689	41.7
172.mgrid	8	429	39.0	8	429	39.0
173.applu	8	460	42.4	8	460	42.4
177.mesa	8	84.4	154	8	83.7	155
178.galgel	8	110	246	8	110	246
179.art	8	128	188	8	128	188
183.equake	8	221	54.6	8	221	54.6
187.facerec	8	183	96.3	8	183	96.3
188.ammp	8	241	84.9	8	190	107
189.lucas	8	403	46.0	8	403	46.0
191.fma3d	8	381	51.2	8	381	51.2
200.sixtrack	8	157	64.8	8	157	64.8
301.apsi	8	288	83.9	8	288	83.9

Hardware

CPU:	Intel Xeon Processor E5320 (1.86 GHz, 8MB L2, 1066MHz bus)
CPU MHz:	1860
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1 to 2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB 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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