CFP2000 Result

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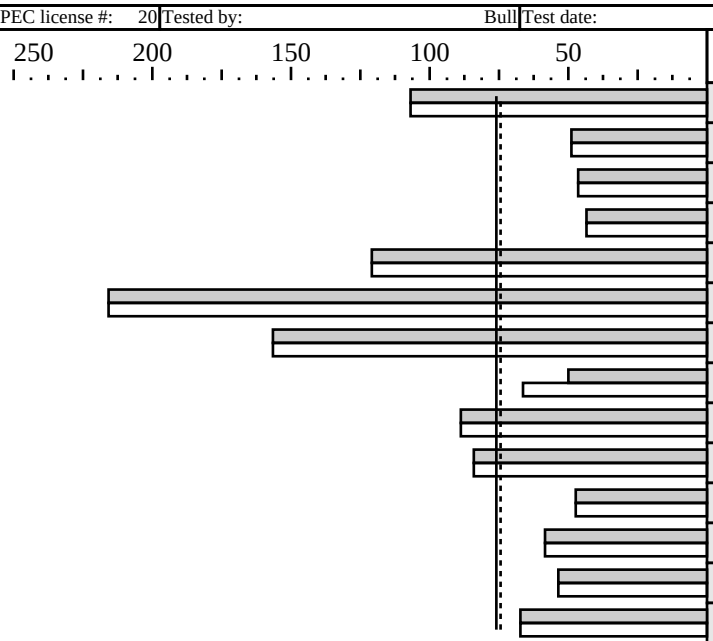
Bull

NovaScale T840 (3.00 GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 75.9

SPECfp_rate_base2000 = 74.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.5	107	4	69.5	107
171.swim	4	294	48.9	4	294	48.9
172.mgrid	4	180	46.4	4	180	46.4
173.applu	4	224	43.5	4	224	43.5
177.mesa	4	53.8	121	4	53.8	121
178.galgel	4	62.4	216	4	62.4	216
179.art	4	77.1	157	4	77.1	157
183.equake	4	121	50.0	4	90.9	66.3
187.facerec	4	99.3	88.8	4	99.3	88.8
188.ammp	4	121	84.1	4	121	84.1
189.lucas	4	196	47.3	4	196	47.3
191.fma3d	4	167	58.4	4	167	58.4
200.sixtrack	4	95.2	53.6	4	95.2	53.6
301.apsi	4	179	67.3	4	179	67.3

Hardware

CPU:	Intel Xeon Processor 5160 (1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1 to 2
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:	8 x 1GB (667 MHz ECC CL5 DDR2 FB-DIMM)
Disk Subsystem:	3x73GB SCSI 15000 rpm
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise X64 Edition
Compiler:	Intel(R) C++ Compiler for 32-bit app., Version 9.1.033 - Build 20060928Z Package ID: W_CC_C_9.1.033 Intel(R) Fortran Compiler for 32-bit app., Version 9.1.033 - 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 -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
```

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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


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