CFP2000 Result

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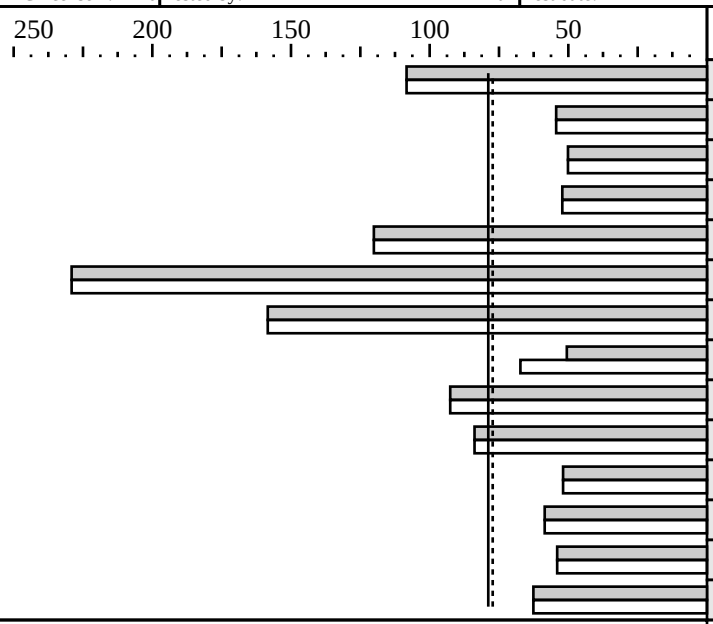
Bull

NovaScale R440 (Intel Xeon processor 5160, 3.00 GHz)

SPECfp_rate2000 = 78.9

SPECfp_rate_base2000 = 77.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	68.5	108	4	68.5	108
171.swim	4	264	54.4	4	264	54.4
172.mgrid	4	167	50.1	4	167	50.1
173.applu	4	187	52.2	4	187	52.2
177.mesa	4	54.1	120	4	54.1	120
178.galgel	4	58.7	229	4	58.7	229
179.art	4	76.2	158	4	76.2	158
183.equake	4	119	50.5	4	89.7	67.3
187.facerec	4	95.2	92.6	4	95.2	92.6
188.ammp	4	122	83.8	4	122	83.8
189.lucas	4	179	51.9	4	179	51.9
191.fma3d	4	167	58.5	4	167	58.5
200.sixtrack	4	94.5	54.0	4	94.5	54.0
301.apsi	4	193	62.6	4	193	62.6

Hardware

CPU:	Intel Xeon Processor 5160 (1332MHz bus)
CPU MHz:	3000
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)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (8x1GB 533MHz ECC CL4 DDR2 FB-DIMM)
Disk Subsystem:	2x36GB SAS 15000 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 20060927Z Package ID: W_CC_C_9.1.032 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060927Z Package ID: W_FC_C_9.1.032 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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