CFP2000 Result

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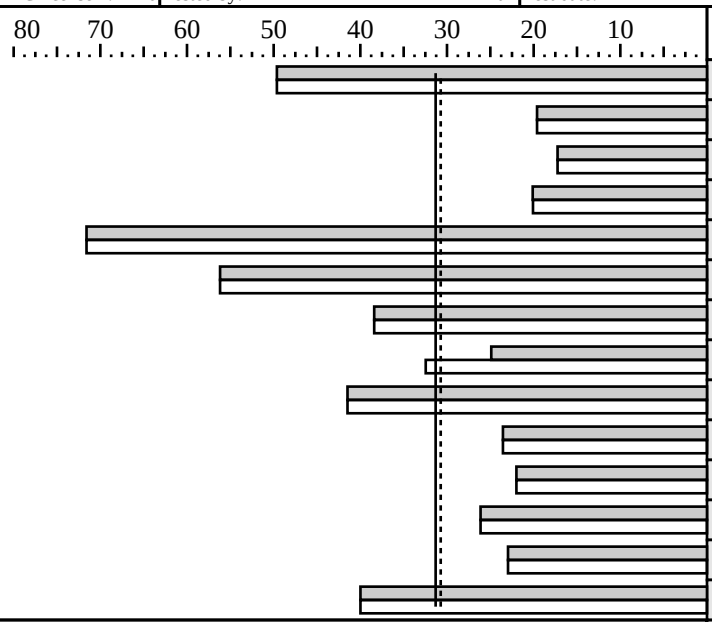
Bull

NovaScale Blade 2320 (2.0 GHz Xeon LV)

SPECfp_rate2000 = 31.3

SPECfp_rate_base2000 = 30.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	150	49.6	4	150	49.6
171.swim	4	734	19.6	4	734	19.6
172.mgrid	4	484	17.2	4	484	17.2
173.applu	4	485	20.1	4	485	20.1
177.mesa	4	90.7	71.6	4	90.7	71.6
178.galgel	4	240	56.2	4	240	56.2
179.art	4	314	38.4	4	314	38.4
183.equake	4	242	24.9	4	186	32.5
187.facerec	4	213	41.5	4	213	41.5
188.ammp	4	434	23.5	4	434	23.5
189.lucas	4	422	22.0	4	422	22.0
191.fma3d	4	373	26.1	4	373	26.1
200.sixtrack	4	222	23.0	4	222	23.0
301.apsi	4	302	40.0	4	302	40.0

Hardware

CPU:	Intel Xeon Processor (2.0GHz Xeon LV, 2MB L2, 667MHz bus)
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) shared by 2 cores
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (2GB DIMMx4, 2-way interleaved DDR2-400, PC2-3200 CL3)
Disk Subsystem:	2x36GB 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 20060519Z Package ID: W_CC_C_9.1.025 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060519Z Package ID: W_FC_C_9.1.025 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:    -fast -Qscalar_rep- -Qauto -f77rtl +FDO
```

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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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