CFP2000 Result

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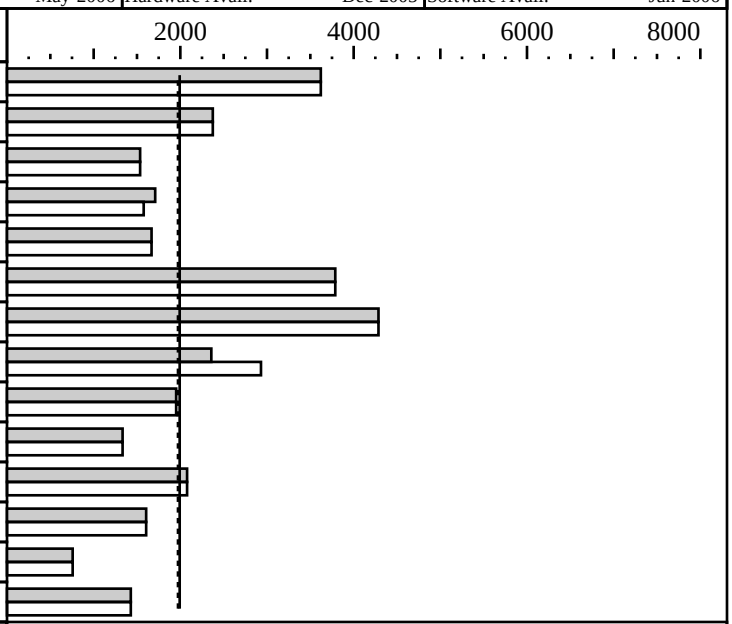
Bull
NovaScale Blade 2021 (3.8 GHz Xeon)

SPECfp2000 = 1992

SPECfp_base2000 = 1973

SPEC license #: 20 | Tested by: Bull | Test date: May-2006 | Hardware Avail: Dec-2005 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	44.2	3621	44.2	3621
171.swim	3100	131	2375	131	2375
172.mgrid	1800	117	1536	117	1536
173.applu	2100	123	1710	133	1577
177.mesa	1400	83.9	1668	83.9	1668
178.galgel	2900	76.6	3788	76.6	3788
179.art	2600	60.7	4286	60.7	4286
183.equake	1300	55.1	2358	44.4	2931
187.facerec	1900	97.3	1952	97.3	1952
188.ammp	2200	165	1334	165	1334
189.lucas	2000	96.3	2078	96.3	2078
191.fma3d	2100	131	1606	131	1606
200.sixtrack	1100	145	758	145	758
301.apsi	2600	182	1428	182	1428



Hardware

CPU:	Intel Xeon Processor (3.8GHz Xeon, 2MB L2, 800MHz bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (2GB DIMMx4, 2-way interleaved DDR2-400, PC2-3200 CL3)
Disk Subsystem:	2x73GB SCSI 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 20060323Z Package ID: W_CC_P_9.1.022 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060323Z Package ID: W_FC_P_9.1.024 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


  Other Configuration Notes
    /NUMPROC=1 flag was added to boot.ini to invoke
    uniprocessor environment


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