CFP2000 Result

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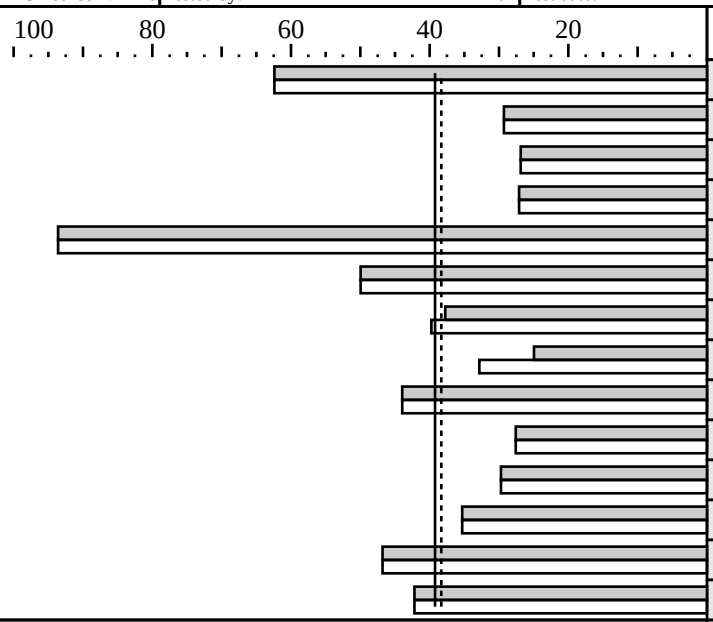
Bull

Express5800-140Rd4 (2.66 GHz Xeon MP)

SPECfp_rate2000 = 39.2

SPECfp_rate_base2000 = 38.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	238	62.4	8	238	62.4
171.swim	8	982	29.3	8	982	29.3
172.mgrid	8	622	26.9	8	622	26.9
173.applu	8	719	27.1	8	719	27.1
177.mesa	8	139	93.6	8	139	93.6
178.galgel	8	539	50.0	8	539	50.0
179.art	8	639	37.8	8	607	39.8
183.equake	8	483	25.0	8	367	32.8
187.facerec	8	401	44.0	8	401	44.0
188.ammp	8	740	27.6	8	740	27.6
189.lucas	8	625	29.7	8	625	29.7
191.fma3d	8	552	35.3	8	552	35.3
200.sixtrack	8	218	46.8	8	218	46.8
301.apsi	8	572	42.2	8	572	42.2

Hardware

CPU:	Intel Xeon Processor MP 7020 (2.66GHz, 2x1MB L2, 667MHz bus)
CPU MHz:	2660
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache:	1024KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2GB (512MB DIMMx4, DDR2-400 SDRAM, CL3)
Disk Subsystem:	2x36GB SCSI U320 15000 rpm
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition (32 bits) Service Pack 1
Compiler:	Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060222Z Package ID: W_CC_C_9.0.030 Intel(R) Fortran Compiler for 32-bit app., Version 9.0, - Build 20060222Z Package ID: W_FC_C_9.0.030 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=1
 171.swim:     basepeak=1
 172.mgrid:    basepeak=1
 173.applu:    basepeak=1
```

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Notes/Tuning Information (Continued)

```
 177.mesa:     basepeak=1
 178.galgel:   basepeak=1
 179.art:      -fast                       +FDO shlW32M.lib
 183.equake:   -fast                       +FDO ONESTEP=yes shlW32M.lib
 187.facerec:  basepeak=1
 188.ammp:     basepeak=1
 189.lucas:    basepeak=1
 191.fma3d:    basepeak=1
 200.sixtrack: basepeak=1
 301.apsi:     basepeak=1


 Express5800-140He and 140Rd4 are electronically equivalent
 Measured on Express5800-140Rd4

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