



CFP2000 Result

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Bull
Express5800-140He (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.amp	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
183.quake:     -fast
187.facerec:   basepeak=1
188.ammp:      basepeak=1
189.lucas:     basepeak=1
191.fma3d:     basepeak=1
200.sixtrack: basepeak=1
301.apsi:      basepeak=1

+FDO shlw32M.lib
+FDO ONESTEP=yes shlw32M.lib
```

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

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