CFP2000 Result

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Bull

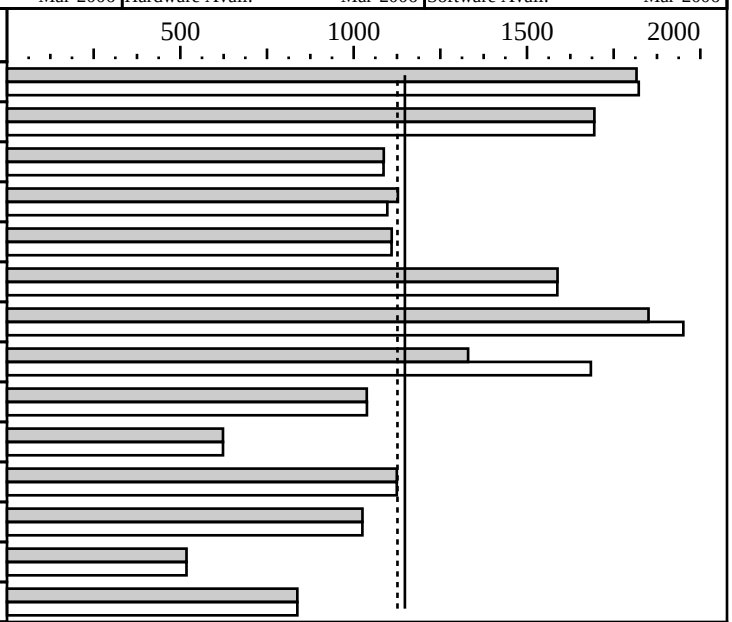
Express5800-140Rd4 (2.66 GHz Xeon MP)

SPECfp2000 = 1148

SPECfp_base2000 = 1126

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	88.1	1816	87.8	1822
171.swim	3100	183	1694	183	1694
172.mgrid	1800	166	1087	166	1086
173.applu	2100	186	1128	191	1097
177.mesa	1400	126	1110	126	1109
178.galgel	2900	183	1588	183	1588
179.art	2600	141	1851	133	1951
183.equake	1300	97.7	1330	77.2	1684
187.facerec	1900	183	1038	183	1038
188.ammp	2200	353	623	353	623
189.lucas	2000	178	1124	178	1124
191.fma3d	2100	205	1025	205	1025
200.sixtrack	1100	212	518	212	518
301.apsi	2600	310	838	310	838



Hardware

CPU:	Intel Xeon Processor MP 7020 (2.66GHz, 2x1MB L2, 667MHz bus)
CPU MHz:	2660
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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

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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:  -fast -Qansi_alias         +FDO
 171.swim:     -fast                      +FDO ONESTEP=yes
 172.mgrid:    -fast                      +FDO
 173.applu:    -fast -Qscalar_rep- -Qauto +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

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


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

 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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