CFP2000 Result

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Bull

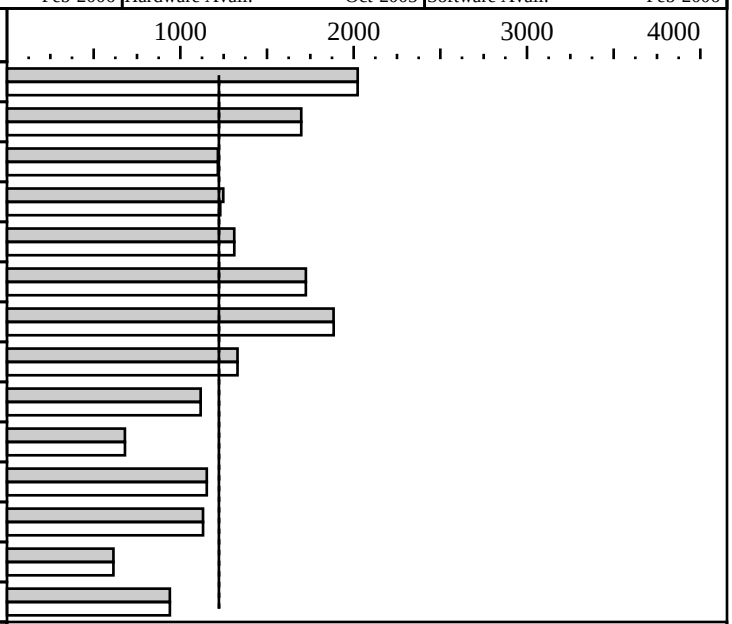
Express5800-140He/140Rd4 (3.16 GHz Xeon MP)

SPECfp2000 = 1223

SPECfp_base2000 = 1224

SPEC license #: 20 | Tested by: Tilmant | Test date: Feb-2006 | Hardware Avail: Oct-2005 | Software Avail: Feb-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	79.1	2023	79.1	2023
171.swim	3100	183	1698	183	1698
172.mgrid	1800	148	1217	148	1216
173.applu	2100	168	1248	171	1230
177.mesa	1400	107	1311	107	1311
178.galgel	2900	168	1724	168	1724
179.art	2600	138	1884	138	1885
183.equake	1300	97.8	1330	97.8	1330
187.facerec	1900	170	1117	170	1117
188.ammp	2200	323	680	323	681
189.lucas	2000	174	1153	174	1153
191.fma3d	2100	186	1131	186	1131
200.sixtrack	1100	179	614	179	614
301.apsi	2600	277	939	277	940



Hardware

CPU:	Intel Xeon MP (3.16GHz, 1MB L2, 667MHz bus)
CPU MHz:	3160
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,4
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4GB (1GB DIMMx4, DDR2-400, ECC)
Disk Subsystem:	1x73GB SCSI U320 15000 rpm
Other Hardware:	

Software

Operating System:	Windows Server 2003 R2 Enterprise Edition
Compiler:	Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060120Z Package ID: W_CC_C_9.0.029 Intel(R) Fortran Compiler for 32-bit app., Version 9.0, - Build 20060120Z Package ID: W_FC_C_9.0.029 Microsoft Visual Studio .NET 2003 (for libraries)
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 +FDO
 for Fortran programs:
 -fast +FDO

Peak Tuning Flags:
 168.wupwise:  -fast +FDO
 171.swim:     -fast +FDO
 172.mgrid:    -fast +FDO
 173.applu:    -fast -Qscalar_rep- -Qauto +FDO
```

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Notes/Tuning Information (Continued)

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

Express5800-140He and 140Rd4 are electronically equivalent
Measured on Express5800-120Rd4
For information about Bull please see:
http://www.bull.com
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