CFP2000 Result

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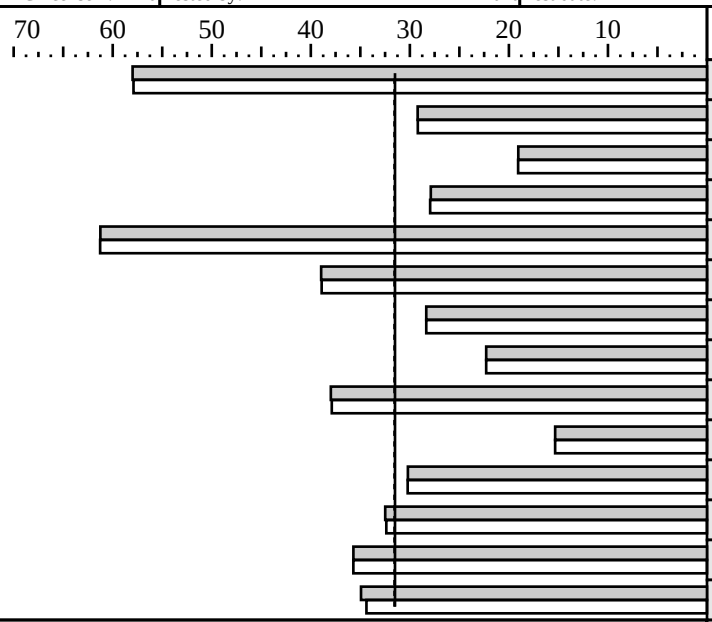
Bull

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

SPECfp_rate2000 = 31.5

SPECfp_rate_base2000 = 31.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	256	58.0	8	256	57.9
171.swim	8	985	29.2	8	985	29.2
172.mgrid	8	877	19.1	8	876	19.1
173.applu	8	699	27.9	8	697	28.0
177.mesa	8	212	61.2	8	212	61.3
178.galgel	8	691	39.0	8	692	38.9
179.art	8	851	28.3	8	851	28.3
183.equake	8	541	22.3	8	541	22.3
187.facerec	8	464	38.0	8	465	37.9
188.ammp	8	1332	15.3	8	1332	15.3
189.lucas	8	615	30.2	8	614	30.2
191.fma3d	8	600	32.5	8	602	32.4
200.sixtrack	8	286	35.7	8	286	35.7
301.apsi	8	691	34.9	8	702	34.4

Hardware

CPU:	Intel Xeon MP (3.16GHz, 1MB L2, 667MHz bus)
CPU MHz:	3160
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
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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