CINT2000 Result

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Bull

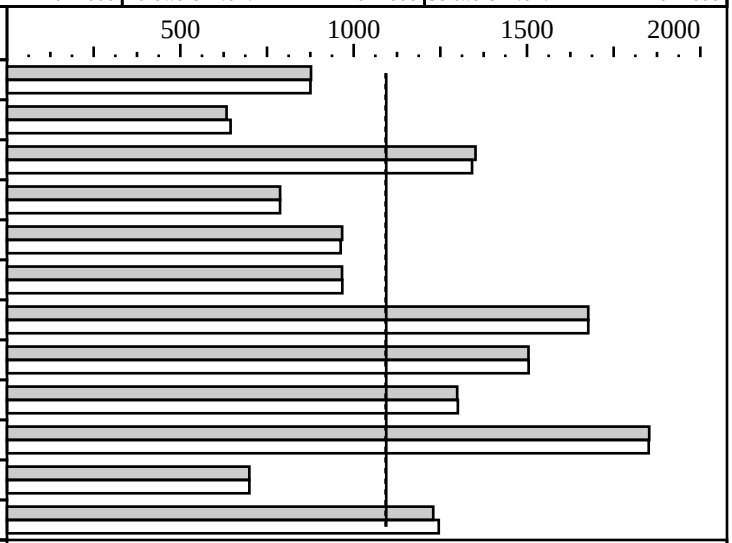
Express5800-140Rd4 (2.66 GHz Xeon MP)

SPECint2000 = 1094

SPECint_base2000 = 1092

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
164.gzip	1400	160	877	160	875
175.vpr	1400	221	633	217	645
176.gcc	1100	81.4	1352	82.0	1341
181.mcf	1800	228	788	229	788
186.crafty	1000	103	967	104	963
197.parser	1800	186	966	186	967
252.eon	1300	77.5	1677	77.5	1677
253.perlbmk	1800	120	1504	120	1505
254.gap	1100	84.7	1299	84.6	1301
255.vortex	1900	103	1853	103	1851
256.bzip2	1500	215	699	215	699
300.twolf	3000	244	1230	241	1245



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 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:
 176.gcc:     -Dalloca=_alloca /F10000000
 186.crafty:  -DNT_i386
 253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Feedback optimization:
  +FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:
 for C programs:
 -fast +FDO ONESTEP=yes shlW32M.lib
 for C++ program 252.eon:
 -fast -Qcxx_features +FDO ONESTEP=yes

Peak Tuning Flags:
 164.gzip:     -fast                +FDO ONESTEP=yes
 175.vpr:      -fast                +FDO ONESTEP=yes
 176.gcc:      -fast                +FDO ONESTEP=yes
 181.mcf:      -fast                +FDO ONESTEP=yes shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
 186.crafty:    -fast                  +FDO ONESTEP=yes
 197.parser:    -fast                  +FDO ONESTEP=yes
 252.eon:       -fast -Qcxx_features   +FDO
 253.perlbmk:   -fast                  +FDO ONESTEP=yes shlW32M.lib
 254.gap:       -fast                  +FDO ONESTEP=yes
 255.vortex     -fast                  +FDO ONESTEP=yes shlW32M.lib
 256.bzip2:     -fast -Qunroll1 -Oa    +FDO ONESTEP=yes shlW32M.lib
 300.twolf:     -fast                  +FDO shlW32M.lib


 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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