CINT2000 Result

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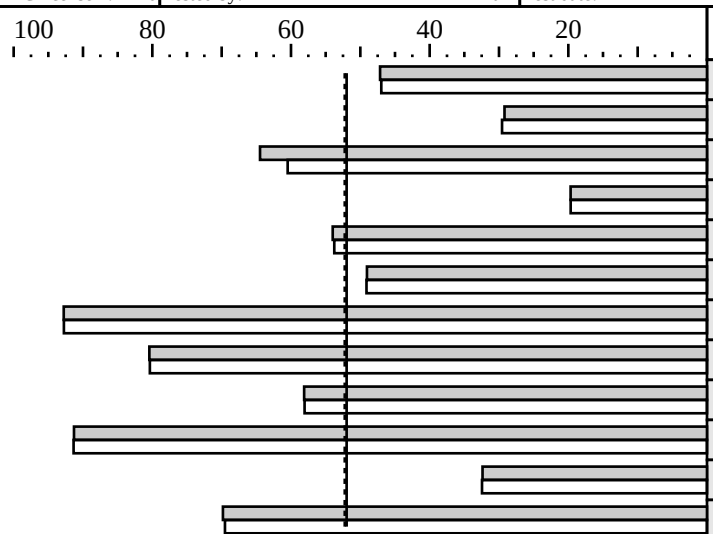
Bull

Express5800-140Rd4 (3.16 GHz Xeon MP)

SPECint_rate2000 = 52.0

SPECint_rate_base2000 = 52.2

SPEC license #: 20 | Tested by: Bull | Test date: Mar-2006 | Hardware Avail: Nov-2005 | Software Avail: Mar-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	138	47.2	4	138	47.0
175.vpr	4	222	29.2	4	220	29.6
176.gcc	4	79.2	64.5	4	84.4	60.5
181.mcf	4	425	19.7	4	425	19.7
186.crafty	4	86.0	54.0	4	86.3	53.8
197.parser	4	170	49.0	4	170	49.1
252.eon	4	65.0	92.8	4	65.0	92.8
253.perlbmk	4	104	80.4	4	104	80.4
254.gap	4	87.8	58.1	4	87.9	58.0
255.vortex	4	96.6	91.3	4	96.5	91.4
256.bzip2	4	215	32.4	4	214	32.4
300.twolf	4	199	69.8	4	200	69.5

Hardware

CPU:	Intel Xeon Processor 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 disabled)
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D)
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 (32 bits)
Compiler:	Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060120Z Package ID: W_CC_C_9.0.029 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:
 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 -Oa               +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


 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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