CINT2000 Result

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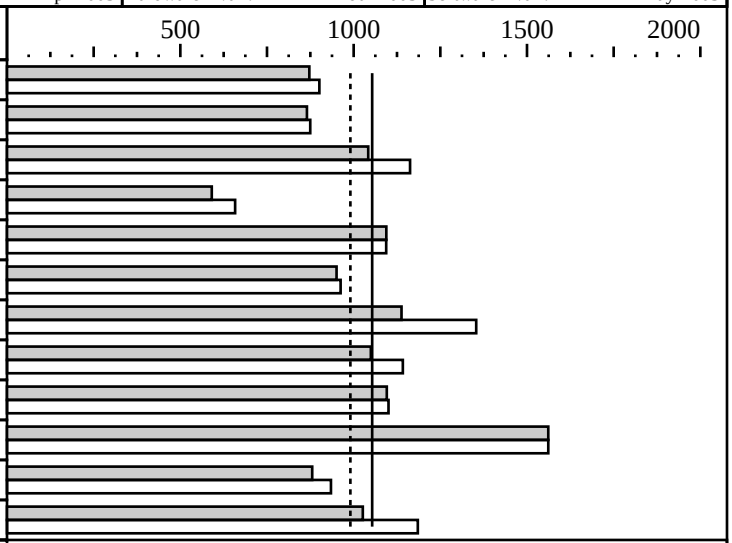
Einux
A4800

SPECint2000 = 1053
SPECint_base2000 = 991

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Apr-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	161	872	155	901
175.vpr	1400	162	865	160	875
176.gcc	1100	106	1042	94.6	1163
181.mcf	1800	305	591	274	658
186.crafty	1000	91.4	1094	91.4	1094
197.parser	1800	189	951	187	962
252.eon	1300	114	1138	96.0	1354
253.perlbmk	1800	172	1050	158	1142
254.gap	1100	100	1096	100.0	1101
255.vortex	1900	122	1561	122	1561
256.bzip2	1500	170	880	161	934
300.twolf	3000	292	1026	253	1185



Hardware

CPU:	AMD Opteron 142, 1.6 GHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x512MB PC2700 DDR ECC Reg SDRAM CL2.5
Disk Subsystem:	IDE 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z Microsoft Visual Studio .NET (libraries) 7.0.9466 MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Portability:
  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
Baseline C:           +FD0 -O3 -QxW  -Qipo
Baseline C++:         +FD0           -Qipo -GX  -GR
Peak tuning:
  164.gzip:           +FD0 -O3 -QaxK -Qipo -Oi-
  175.vpr:            +FD0 -O3 -QxW  -Qipo
  176.gcc:            +FD0 -O3 -QxK  -Qipo -Oi-
  181.mcf:            +FD0           -Qipo -Oa
  186.crafty:         +FD0 -O3 -QxW  -Qipo
  197.parser:         +FD0 -O3 -QxW  -Qipo -Oa
  252.eon:            +FD0 -O3 -QaxW -Qipo -Zp4
  253.perlbmk:        +FD0 -O3       -Qipo -Oa  shlW32M6.lib
  254.gap:            +FD0 -O3 -QxW  -Qipo
  255.vortex:         basepeak=1
```

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Notes/Tuning Information (Continued)

```
  256.bzip2:          +FD0           -Qipo -Oa  -Qunroll1
  300.twolf:          +FD0     -Qxi  -Qipo      shlW32M6.lib
ONESTEP is used for all base and peak runs
```