CINT2000 Result

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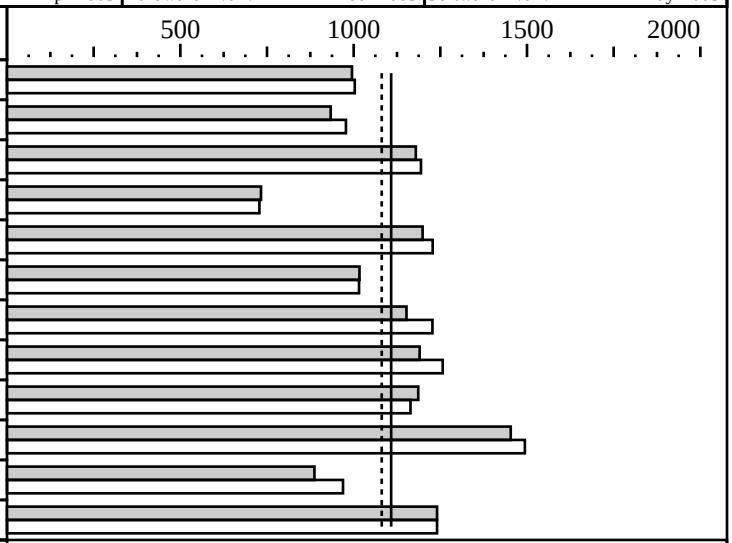
Einux
A4800

SPECint2000 = 1108

SPECint_base2000 = 1081

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	141	995	140	1003
175.vpr	1400	150	934	143	978
176.gcc	1100	93.3	1179	92.1	1194
181.mcf	1800	246	733	247	728
186.crafty	1000	83.4	1199	81.4	1228
197.parser	1800	177	1017	177	1015
252.eon	1300	113	1152	106	1227
253.perlbmk	1800	151	1190	143	1257
254.gap	1100	92.7	1186	94.5	1164
255.vortex	1900	131	1453	127	1494
256.bzip2	1500	169	887	155	969
300.twolf	3000	242	1241	242	1241



Hardware

CPU:	AMD Opteron 144, 1.8 GHz
CPU MHz:	1800
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 Registered SDRAM CL2.5
Disk Subsystem:	IDE 7200 RPM
Other Hardware:	None

Software

Operating System:	SuSE Linux Enterprise Server 8 for AMD64
Compiler:	Intel C/C++ 7.0 build 20021212Z
File System:	ext2
System State:	Run level 3

Notes/Tuning Information

```
The binaries were built on SuSE Linux Professional 8.1 running on an Opteron system
+FDO: PASS1=-prof_gen  PASS2=-prof_use
Portability:
 186.crafty:  CPORTABILITY=-DLINUX_i386
 252.eon:     CXXPORTABILITY=-DHAS_ERRLIST
 253.perlbmk: CPORTABILITY=-DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
                       -DSPEC_CPU2000_GLIBC22
 254.gap:     CPORTABILITY=-DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
                      -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
Baseline C:          +FDO -O3 -xW  -ipo
Baseline C++:        +FDO -O3 -xW  -ipo
Peak tuning:
   164.gzip:         +FDO -O3 -axK -ipo -nolib_inline
   175.vpr:          +FDO -xK -ipo -fno-alias -Qoption,f,-ip_ninl_max_stats=6000
                     -Qoption,f,-ip_ninl_max_total_stats=10000
   176.gcc:         +FDO -O3 -xW -ipo -nolib_inline -Qoption,f,-ip_ninl_max_stats=3000
                     -Qoption,f,-ip_ninl_max_total_stats=5500
   181.mcf:          +FDO          -ipo -fno-alias
   186.crafty:       +FDO -O3 -xK  -ipo -fno-alias    -fshort-enums
   197.parser:       +FDO -O3 -axW -ipo -fno-alias
```

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Notes/Tuning Information (Continued)

```
    252.eon:          +FDO -O3 -xW -ipo -Qoption,f,-ip_ninl_max_stats=2000
                      -Qoption,f,-ip_ninl_max_total_stats=4500
    253.perlbmk:      +FDO -O3 -xK  -ipo -unroll3 -Qoption,f,-ip_ninl_max_stats=7000
                      -Qoption,f,-ip_ninl_max_total_stats=9500 -static
    254.gap:          +FDO -O3 -xW -ipo -Qoption,f,-ip_ninl_max_stats=2000
                      -Qoption,f,-ip_ninl_max_total_stats=4500
    255.vortex:       +FDO -O3 -xW -ipo -Qoption,f,-ip_ninl_max_stats=3000
                      -Qoption,f,-ip_ninl_max_total_stats=5500
    256.bzip2:        +FDO          -ipo -fno-alias    -unroll1
    300.twolf:        basepeak=1
ONESTEP is used for all base and peak runs
```