CINT2000 Result

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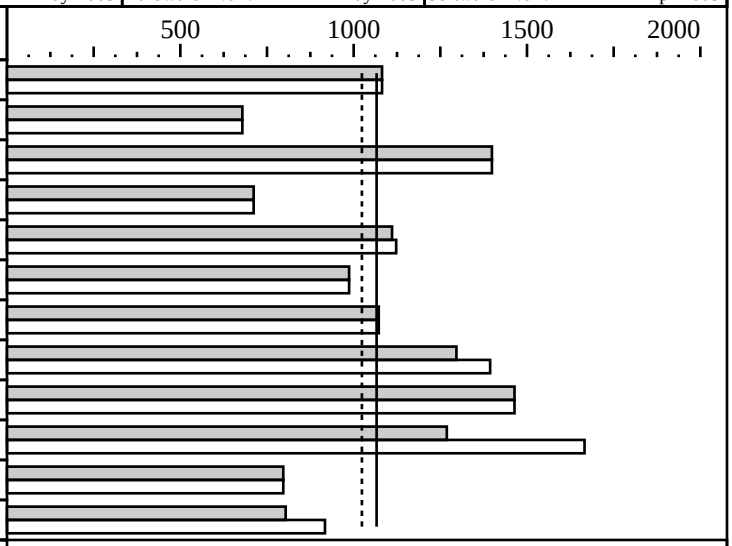
Sun Microsystems
Sun Fire V65x (3.06 GHz Xeon)

SPECint2000 = 1066

SPECint_base2000 = 1024

SPEC license #: 6 | Tested by: Sun Microsystems | Test date: May-2003 | Hardware Avail: May-2003 | Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	129	1082	129	1082
175.vpr	1400	206	679	206	679
176.gcc	1100	78.6	1399	78.6	1399
181.mcf	1800	253	711	253	711
186.crafty	1000	90.0	1111	89.1	1123
197.parser	1800	182	987	182	987
252.eon	1300	121	1072	121	1072
253.perlbmk	1800	139	1296	129	1394
254.gap	1100	75.1	1464	75.1	1464
255.vortex	1900	150	1269	114	1666
256.bzip2	1500	188	797	188	797
300.twolf	3000	373	804	327	917



Hardware

CPU:	Intel Xeon (533MHz system bus)
CPU MHz:	3066
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	2GB (2 x 1GB)
Disk Subsystem:	1 x 36GB Seagate Ultra320 SCSI
Other Hardware:	None

Software

Operating System:	Red Hat Linux 7.3
Compiler:	Intel(R) C++ Compiler for 32-bit applications Version 7.1 Build 20030307Z C benchmarks compiled with icc C++ benchmarks compiled with icpc Microquill SmartHeap 6.02
File System:	ext2
System State:	Multi-User (run level 3), hyperthreading disabled in BIOS

Notes/Tuning Information

```
Portability:
 176.gcc: -Dalloca=_alloca
 186.crafty: -DLINUX_i386
 252.eon: -DHAS_ERRLIST
 253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
              -DSPEC_CPU2000_GLIBC22
 254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
          -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_CALLOC_PROTO

Profile Feedback (+FDO):
 rm -rf `pwd`/*.dyn `pwd`/*.dpi `pwd`/*.il
 Pass 1: -prof_gen
 Pass 2: -prof_use

Base Flags:
 Base tuning for C programs:   -xW -ipo -O3 +FDO
 Base tuning for C++ programs: -xW -ipo +FDO

Peak Flags:
```

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Notes/Tuning Information (Continued)

```
164.gzip: basepeak=yes
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -xW -ipo +FDO
197.parser: basepeak=yes
252.eon: basepeak=yes
253.perlbmk: -xW -ipo -O3 -L${SH_PATH} -lsmartheap +FDO
253.perlbmk: (SH_PATH is the path to the SmartHeap library)
254.gap: basepeak=yes
255.vortex: -xW -ipo -O3 -L${SH_PATH} -lsmartheap +FDO
255.vortex: (SH_PATH is the path to the SmartHeap library)
256.bzip2: basepeak=yes
300.twolf: -xW -ipo -O3 -L${SH_PATH} -lsmartheap +FDO
300.twolf: (SH_PATH is the path to the SmartHeap library)
2nd processor physically removed
```