CINT2000 Result

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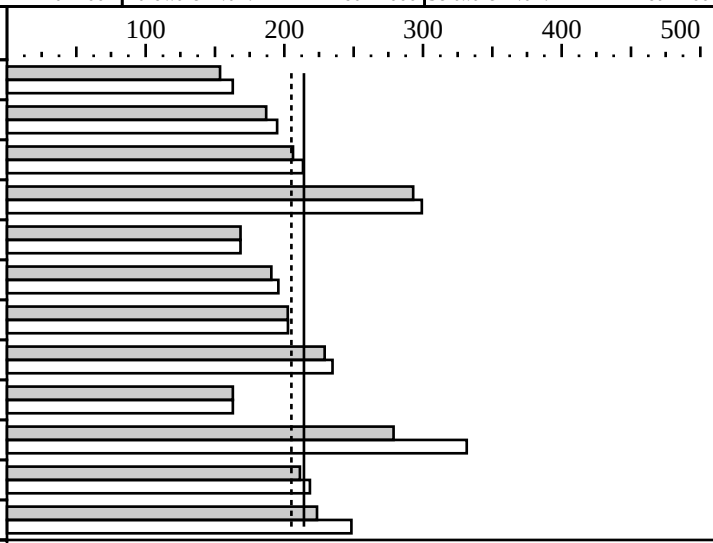
Sun Microsystems
Sun Enterprise 420R

SPECint2000 = 214

SPECint_base2000 = 205

SPEC license #: 1986 | Tested by: gcocco software, inc | Test date: Mar-2001 | Hardware Avail: Jun-2000 | Software Avail: Jan-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	911	154	860	163
175.vpr	1400	749	187	719	195
176.gcc	1100	533	206	515	213
181.mcf	1800	615	293	602	299
186.crafty	1000	594	168	594	168
197.parser	1800	944	191	920	196
252.eon	1300	642	202	642	203
253.perlbmk	1800	786	229	767	235
254.gap	1100	675	163	675	163
255.vortex	1900	682	279	573	332
256.bzip2	1500	710	211	687	218
300.twolf	3000	1342	224	1208	248



Hardware

CPU:	UltraSPARC II
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	4GB
Disk Subsystem:	2*36GB(10000 RPM)
Other Hardware:	None

Software

Operating System:	Solaris 8 - 01/2001
Compiler:	Forte Developer 6 update 1
File System:	UFS
System State:	multi user

Notes/Tuning Information

```
Forte Developer Version 6.1 Compilers
Portability Flags:
  176.gcc:     -Dalloca=__builtin_alloca -DHOST_WORDS_BIG_ENDIAN
  186.crafty:  -DSUN
  252.eon:     -library=iostream,no%Cstd
  253.perlbmk: -DSPEC_CPU2000_SOLARIS
  254.gap:     -DSYS_IS_USG -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
               -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_IOCTL_PROTO

Base C   flags: -fast -xcrossfile -xprofile
Base C++ flags: -fast -xcrossfile -xprofile

Peak Flags:
  164.gzip:    -fast (nofdo)
  175.vpr:     -fast -xalias_level=std -xcrossfile -xprofile -dn
  176.gcc:     -fast -xcrossfile -xprofile -dn
  181.mcf:     -fast -xcrossfile ONESTEP=no (nofdo)
  186.crafty:  basepeak = yes
  197.parser:  -fast -xalias_level=std -xcrossfile -xprofile -dn
  252.eon:     -fast -xcrossfile -xprofile -dn
```

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Notes/Tuning Information (Continued)

```
  253.perlbmk: -fast -xalias_level=std -xcrossfile -xprofile -dn
  254.gap:     basepeak = yes
  255.vortex:  -fast -xsafe=mem -xcrossfile -W2,-Mt500,-Mr6000,-crit
               -xalias_level=std -xprofile -dn
  256.bzip2:   -fast -xarch=v8 -W2,-Abopt -xcrossfile -xalias_level=std
               -Wc,-Qiselect-funcalign=32 -xprofile -dn
  300.twolf:   -fast -xO5 -xarch=v8plus -W2,-whole -xprofile -dn

(nofdo): no feedback directed optimization

Proper operation of -xcrossfile requires the simultaneous presentation of
all source files to the compiler.  This is accomplished within the
SPECcpu2000 suite by setting ONESTEP=yes.
For more information, see the tester's website: http://www.gcocco.com
```