CINT2000 Result

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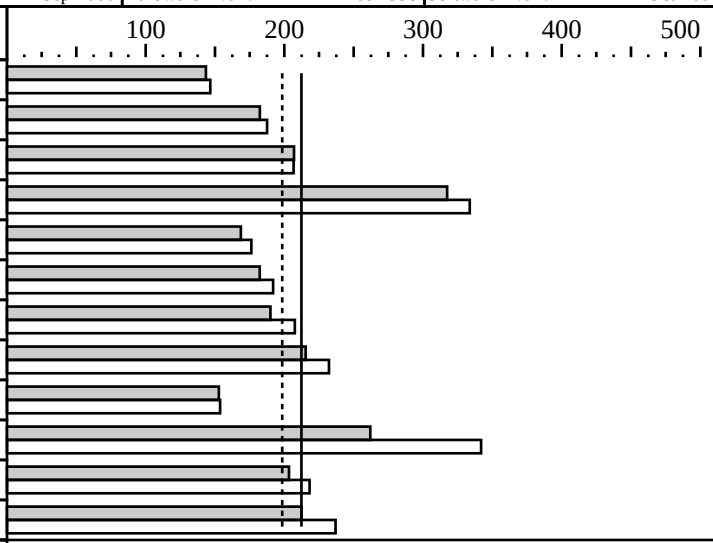
Sun Microsystems
Sun Enterprise 3500/4500

SPECint2000 = 212

SPECint_base2000 = 198

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Sep-2000 | Hardware Avail: Dec-1998 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	976	143	955	147
175.vpr	1400	768	182	746	188
176.gcc	1100	531	207	532	207
181.mcf	1800	567	317	539	334
186.crafty	1000	593	169	567	176
197.parser	1800	988	182	938	192
252.eon	1300	684	190	626	208
253.perlbmk	1800	836	215	775	232
254.gap	1100	720	153	716	154
255.vortex	1900	725	262	556	342
256.bzip2	1500	738	203	687	218
300.twolf	3000	1413	212	1266	237



Hardware

CPU:	UltraSPARC-II
CPU MHz:	400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-8/1-14
Parallel:	None
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	6 x 9GB
Other Hardware:	--

Software

Operating System:	Solaris 8
Compiler:	Forte Developer 6 update 1
File System:	UFS
System State:	multiuser

Notes/Tuning Information

```
Portability:
    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: -fast -xcrossfile -xprofile

Peak:
    164.gzip:    -fast -xalias_level=std -xcrossfile -xprofile
    175.vpr:     -fast -xalias_level=std -xcrossfile -xdepend -xregs=syst -xprofile
    176.gcc:     -fast -xcrossfile -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xprofile
   181.mcf:    -fast -xcrossfile -xdepend -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xsafe=mem -xprofile
    186.crafty:  -fast -xalias_level=strong -xcrossfile -xregs=syst
                 -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xprofile
    197.parser:  -fast -xalias_level=strong -xcrossfile -xdepend -xregs=syst
                 -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xprofile
```

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Notes/Tuning Information (Continued)

```
     252.eon:     -fast -xcrossfile -xsafe=mem -Qoption iropt -Mt500,-restrict_g,-restrict
                   -Qoption cg -Qgsched-trace_late=1,-Qgsched-T4 -xprofile
     253.perlbmk: -fast -xalias_level=std -xcrossfile -xsafe=mem -xprofile
                   -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1
     254.gap:     -fast -xarch=v8 -xalias_level=std -xcrossfile -Wc,-Qiselect-funcalign=32 -xprofile
     255.vortex:  -fast -xsafe=mem -xcrossfile -W2,-Aheap,-reroll=1,-Aunroll,-Ms1,-Mt500,-Mr6000,-crit
                   -Wc,-Qdepgraph-early_cross_call=1 -Wc,-Qiselect-funcalign=32 -Wc,-Qpeep-Sh0
                   -xrestrict -xdepend -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xprofile
     256.bzip2:   -fast -xalias_level=strong -xarch=v8 -W2,-Abopt -xcrossfile
                   -Wc,-Qiselect-funcalign=32 -xdepend -xregs=syst -xprofile
     300.twolf:   -fast -xalias_level=strong -W2,-whole -xsafe=mem -xprofile
ONESTEP=yes for both base and peak
```