CINT2000 Result

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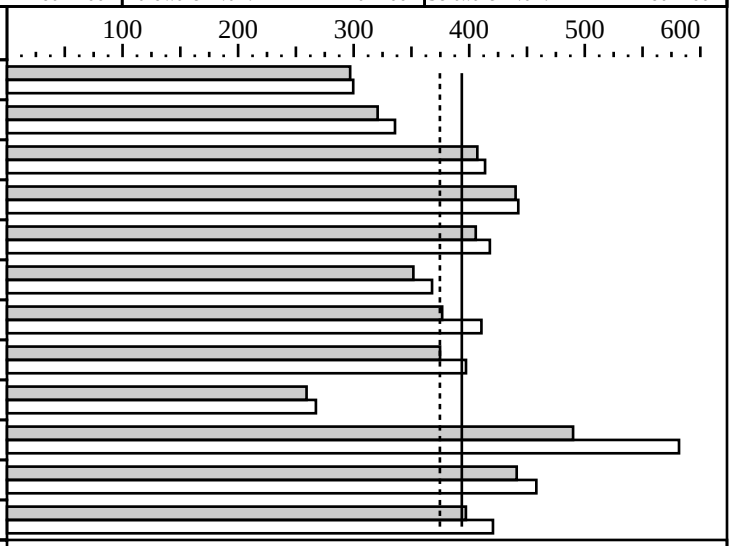
Sun Microsystems
Sun Fire 280R

SPECint2000 = 394

SPECint_base2000 = 375

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Jun-2001 | Hardware Avail: Mar-2001 | Software Avail: Jul-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	471	297	467	300
175.vpr	1400	436	321	417	336
176.gcc	1100	270	407	266	414
181.mcf	1800	409	440	407	442
186.crafty	1000	247	406	239	418
197.parser	1800	512	352	489	368
252.eon	1300	345	377	317	411
253.perlbmk	1800	480	375	453	397
254.gap	1100	424	259	411	267
255.vortex	1900	388	490	327	582
256.bzip2	1500	340	441	327	458
300.twolf	3000	755	397	713	421



Hardware

CPU:	UltraSPARC-III
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	None
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	4GB
Disk Subsystem:	1 x 36GB + 1 x 9GB
Other Hardware:	--

Software

Operating System:	Solaris 8 1/01
Compiler:	Forte Developer 6 update 2
File System:	UFS
System State:	Single User

Notes/Tuning Information

```
Portability:
 176.gcc       : -Dalloca=__builtin_alloca -DHOST_WORDS_BIG_ENDIAN
 186.crafty    : -DSUN
 252.eon       : -library=iostream
 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 Flags:
 Base C   flags: -fast -xcrossfile -xprofile
 Base C++ flags: -fast -xcrossfile -xprofile

Peak Flags:
 164.gzip      : -fast -xalias_level=std -xcrossfile -xprofile
 175.vpr       : -fast -xalias_level=std -xcrossfile -xdepend -xregs=syst -W2,-whole
    -xprofile -lmopt
 176.gcc       : -fast -xcrossfile -W2,-whole -Wc,-Qgsched-trace_late=1,-Qgsched-T4
    -xprofile
 181.mcf       : -fast -xcrossfile -xdepend -Wc,-Qgsched-trace_late=1,-Qgsched-T4
```

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Notes/Tuning Information (Continued)

```
    -xsafe=mem -xprofile
 186.crafty    : -fast -xcrossfile -Wc,-Qgsched-trace_late=1,-Qgsched-T4
    -xalias_level=strong -xregs=syst -xchip=ultra2 -xprofile
 197.parser    : -fast -xcrossfile -xdepend -xregs=syst
    -Wc,-Qgsched-trace_late=1,-Qgsched-T4
    -xalias_level=strong -xprofile
 252.eon       : -fast -xcrossfile -xsafe=mem -Qoption iropt
    -Mt500,-restrict_g,-restrict -Qoption cg
    -Qgsched-trace_late=1,-Qgsched-T4 -xprofile
 253.perlbmk   : -fast -xcrossfile
    -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1
    -xalias_level=std -xsafe=mem -xprofile
 254.gap       : -fast -xarch=v8 -W2,-crit,-whole -xcrossfile
    -Wc,-Qiselect-funcalign=32 -xalias_level=std -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 -xarch=v8 -W2,-Abopt -xcrossfile -xalias_level=strong
    -Wc,-Qiselect-funcalign=32 -xdepend -xregs=syst -xprofile
 300.twolf     : -fast -xalias_level=std -W2,-whole -xsafe=mem -xprofile

Note:
 ONESTEP=yes for all benchmarks.

System configuration details located (as of Jun 2001)
at http://www.sun.com/servers/workgroup/280r
```