CINT2000 Result

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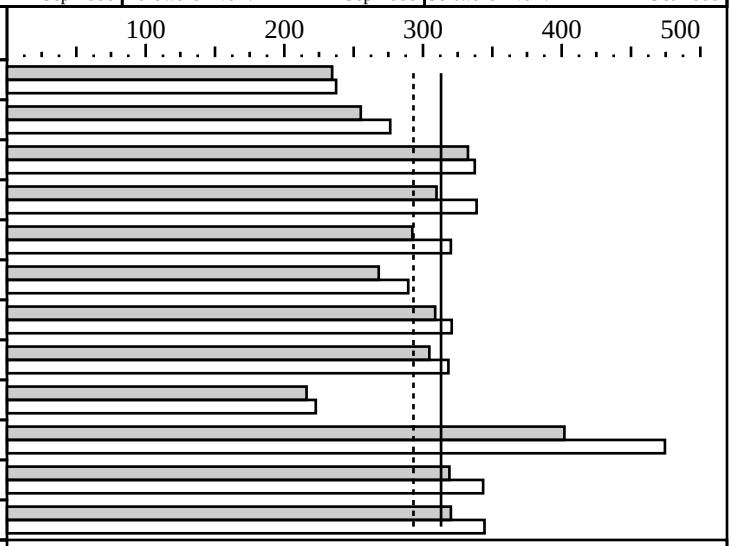
Sun Microsystems
Sun Blade 1000 Model 1600

SPECint2000 = 313

SPECint_base2000 = 293

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	597	234	590	237
175.vpr	1400	549	255	507	276
176.gcc	1100	331	332	326	337
181.mcf	1800	581	310	532	339
186.crafty	1000	342	292	312	320
197.parser	1800	671	268	622	289
252.eon	1300	421	309	405	321
253.perlbmk	1800	591	305	565	318
254.gap	1100	509	216	494	223
255.vortex	1900	473	402	400	474
256.bzip2	1500	470	319	437	343
300.twolf	3000	937	320	871	344



Hardware

CPU:	UltraSPARC-III
CPU MHz:	600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	4MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	1GB
Disk Subsystem:	1 x 18GB
Other Hardware:	--

Software

Operating System:	Solaris 8 update 2
Compiler:	Forte Developer 6 update 1
File System:	UFS
System State:	single user

Notes/Tuning Information

```
Portability: 252.eon: -library=iostream,no%Cstd

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

Peak:
164.gzip: -fast -xalias_level=std -xcrossfile -W2,-whole -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 -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 -lmopt
```

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Notes/Tuning Information (Continued)

```
253.perlbmk: -fast -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1
             -xcrossfile -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=strong -W2,-whole -xsafe=mem -xprofile

Note: ONESTEP=yes in base and peak for all benchmarks.
Note: Forte Developer 6 update 1 patches include:
        109505-08,109508-04,109513-06
For results with recommended patch 111228-01 and obp 4.0.40 (or later),
see publication in July-2001
```