CINT2000 Result

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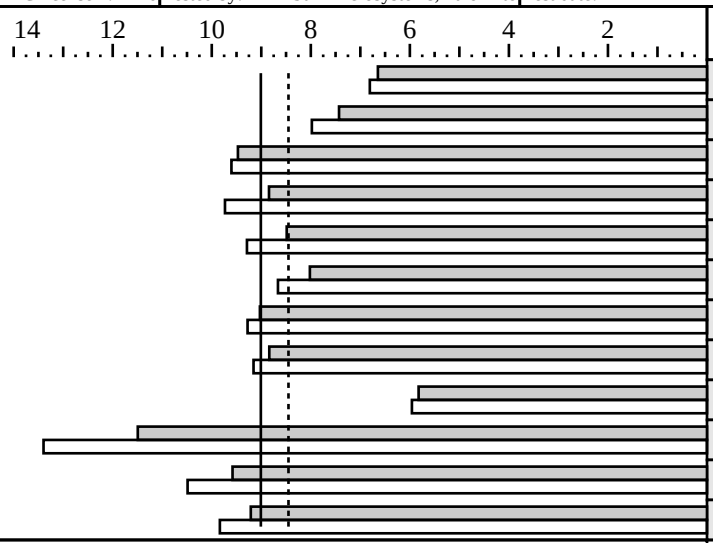
Sun Microsystems
Sun Blade 1000 Model 2750

SPECint_rate2000 = 9.01

SPECint_rate_base2000 = 8.45

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	489	6.65	2	477	6.81
175.vpr	2	437	7.43	2	407	7.98
176.gcc	2	269	9.47	2	266	9.60
181.mcf	2	472	8.84	2	429	9.73
186.crafty	2	273	8.49	2	250	9.29
197.parser	2	521	8.02	2	482	8.66
252.eon	2	334	9.03	2	325	9.28
253.perlbmk	2	472	8.84	2	456	9.16
254.gap	2	438	5.82	2	428	5.96
255.vortex	2	384	11.5	2	329	13.4
256.bzip2	2	363	9.58	2	332	10.5
300.twolf	2	756	9.21	2	708	9.84

Hardware

CPU:	UltraSPARC-III
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(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
253.perlbmk: -fast -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1
```

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Notes/Tuning Information (Continued)

```
                -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
```