CINT2000 Result

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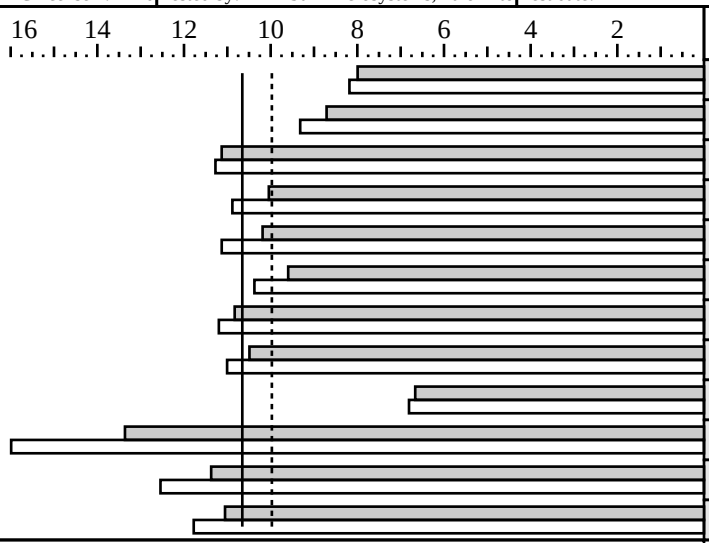
Sun Microsystems
Sun Blade 1000 Model 2900

SPECint_rate2000 = 10.7

SPECint_rate_base2000 = 9.97

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	406	7.99	2	397	8.18
175.vpr	2	373	8.71	2	349	9.32
176.gcc	2	229	11.1	2	226	11.3
181.mcf	2	416	10.0	2	384	10.9
186.crafty	2	228	10.2	2	208	11.1
197.parser	2	435	9.60	2	402	10.4
252.eon	2	278	10.8	2	269	11.2
253.perlbmk	2	398	10.5	2	379	11.0
254.gap	2	383	6.66	2	375	6.81
255.vortex	2	330	13.4	2	276	16.0
256.bzip2	2	306	11.4	2	277	12.5
300.twolf	2	630	11.1	2	591	11.8

Hardware

CPU:	UltraSPARC-III
CPU MHz:	900
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
```

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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
```