CINT2000 Result

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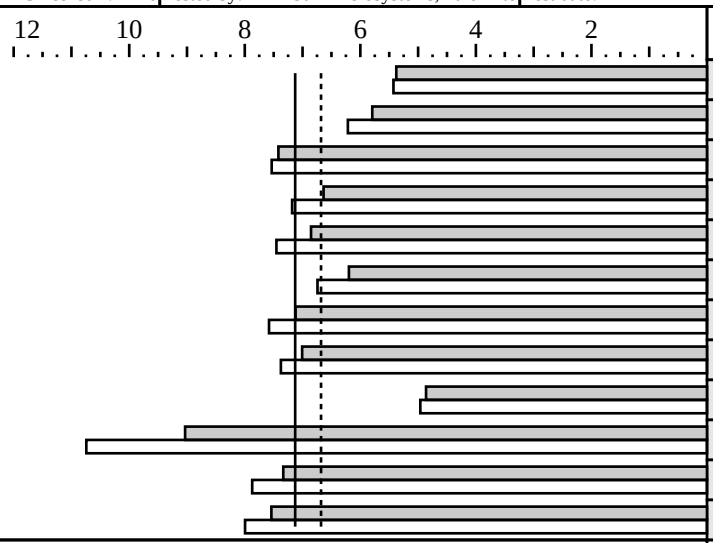
Sun Microsystems
Sun Blade 1000 Model 2600

SPECint_rate2000 = 7.13

SPECint_rate_base2000 = 6.68

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Apr-2001 | Hardware Avail: Sep-2000 | Software Avail: Mar-2001



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	604	5.38	2	599	5.43
175.vpr	2	561	5.79	2	523	6.22
176.gcc	2	344	7.42	2	339	7.53
181.mcf	2	629	6.64	2	582	7.18
186.crafty	2	339	6.85	2	311	7.45
197.parser	2	674	6.20	2	619	6.74
252.eon	2	424	7.12	2	398	7.58
253.perlbmk	2	596	7.01	2	566	7.38
254.gap	2	525	4.86	4	1029	4.96
255.vortex	2	488	9.03	2	410	10.7
256.bzip2	2	475	7.33	2	442	7.87
300.twolf	2	923	7.54	2	871	8.00

Hardware

CPU:	UltraSPARC-III
CPU MHz:	600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	None
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 10/00
Compiler:	Forte Developer 6 update 1 w/ latest patches
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 C   flags: -fast -xcrossfile -xprofile
Base C++ flags: -fast -xcrossfile -xprofile

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
```

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Notes/Tuning Information (Continued)

```
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 -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 for all benchmarks.

Forte Developer 6 update 1 patches include:
    109503-02,109504-01,109505-08,109506-02,109508-04,109510-01,109513-06

Patch 111228-01 and obp 4.0.40 (or later) is required.

System configuration details located (as of June 2001) at
        http://www.sun.com/desktop/sunblade1000
```