



CINT2000 Result

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Sun Microsystems Sun Blade 100

SPECint2000 = 174
SPECint_base2000 = 165

SPEC license #: 6 Tested by: Sun Microsystems, Palo Alto Test date: Feb-2001 Hardware Avail: Feb-2001 Software Avail: Feb-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	50 100 150 200 250 300				
164.gzip	1400	837	167	828	169					
175.vpr	1400	1084	129	1071	131					
176.gcc	1100	663	166	657	167					
181.mcf	1800	1635	110	1635	110					
186.crafty	1000	572	175	534	187					
197.parser	1800	1165	155	1119	161					
252.eon	1300	622	209	564	230					
253.perlbmk	1800	786	229	734	245					
254.gap	1100	658	167	645	171					
255.vortex	1900	798	238	655	290					
256.bzip2	1500	961	156	921	163					
300.twolf	3000	2408	125	2226	135					

Hardware

CPU: UltraSPARC-IIe
CPU MHz: 500
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: None
Primary Cache: 16KBI+16KBD on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: None
Other Cache: None
Memory: 256MB
Disk Subsystem: 1 x 15GB
Other Hardware: --

Software

Operating System: Solaris 8 10/00
Compiler: Forte Developer 6 update 1
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,no%Cstd
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
        -lmopt -xprofile
176.gcc: -fast -xcrossfile -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -W2,-whole -xprofile
181.mcf: -fast -xcrossfile -xdepend -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xprofile
186.crafty: -fast -xcrossfile -Wc,-Qgsched-trace_late=1,-Qgsched-T4
        -xalias_level=strong -xregs=syst -xprofile
```



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Notes/Tuning Information (Continued)

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197.parser: -fast -xcrossfile -xdepend -xregs=syst -Wc,-Qgsched-trace_late=1,-Qgsched-T4
            -xalias_level=strong -xprofile
252.eon: -fast -xcrossfile -Qoption iropt -Mt500,-restrict_g,-restrict,-O4+bcopy
         -lmopt -xprofile
253.perlbnk: -fast -xcrossfile -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1
            -xalias_level=std -xsafe=mem -W2,-O4+bcopy -xprofile
254.gap: -fast -xarch=v8 -xcrossfile -W2,-whole -Wc,-Qiselect-funcalign=32
         -xalias_level=std -xprofile
255.vortex: -fast -xsafe=mem -xcrossfile -W2,-Aheap,-reroll=1,-Aunroll,-Ms1,-Mt500,-Mr6000,-crit,-O4+bcopy
           -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 -xprofile

```

Note: ONESTEP=yes for all benchmarks.

System configuration details located (as of 02/2001) at
<http://www.sun.com/desktop/sunblade100/>