



CINT2000 Result

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Sun Microsystems
Sun Blade 1000 Model 1600

SPECint2000 = 311
SPECint_base2000 = 292

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	602	233	596	235	
175.vpr	1400	550	255	516	271	
176.gcc	1100	341	323	333	331	
181.mcf	1800	571	315	536	336	
186.crafty	1000	340	294	312	320	
197.parser	1800	672	268	622	289	
252.eon	1300	426	305	398	327	
253.perlbmk	1800	594	303	569	317	
254.gap	1100	507	217	498	221	
255.vortex	1900	478	397	405	469	
256.bzip2	1500	470	319	440	341	
300.twolf	3000	927	324	873	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: 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)

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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 -xsafe=mem -Qoption iropt -Mt500,-restrict_g,-restrict
         -Qoption cg -Qgsched-trace_late=1,-Qgsched-T4 -xprofile
253.perlbnk: -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>