



CINT2000 Result

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Sun Microsystems
Sun Blade 1000 Model 1900

SPECint2000 = 467
SPECint_base2000 = 438

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	401	349	396	353	
175.vpr	1400	366	383	340	412	
176.gcc	1100	220	500	216	508	
181.mcf	1800	380	474	354	508	
186.crafty	1000	228	439	209	480	
197.parser	1800	437	412	403	447	
252.eon	1300	280	465	271	480	
253.perlbnk	1800	394	457	380	474	
254.gap	1100	366	300	356	309	
255.vortex	1900	327	581	272	698	
256.bzip2	1500	300	500	277	541	
300.twolf	3000	634	473	590	508	

Hardware

CPU: UltraSPARC-III
 CPU MHz: 900
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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)

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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 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