



CINT2000 Result

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Sun Microsystems
Sun Blade 1000 Model 1600

SPECint2000 = 313
SPECint_base2000 = 293

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	100 200 300 400 500				
164.gzip	1400	597	234	590	237	[Bar chart showing ratio 237]				
175.vpr	1400	549	255	507	276	[Bar chart showing ratio 276]				
176.gcc	1100	331	332	326	337	[Bar chart showing ratio 337]				
181.mcf	1800	581	310	532	339	[Bar chart showing ratio 339]				
186.crafty	1000	342	292	312	320	[Bar chart showing ratio 320]				
197.parser	1800	671	268	622	289	[Bar chart showing ratio 289]				
252.eon	1300	421	309	405	321	[Bar chart showing ratio 321]				
253.perlbmk	1800	591	305	565	318	[Bar chart showing ratio 318]				
254.gap	1100	509	216	494	223	[Bar chart showing ratio 223]				
255.vortex	1900	473	402	400	474	[Bar chart showing ratio 474]				
256.bzip2	1500	470	319	437	343	[Bar chart showing ratio 343]				
300.twolf	3000	937	320	871	344	[Bar chart showing ratio 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: No
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 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