



CINT2000 Result

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Sun Microsystems
Sun Blade 1000 Model 1750

SPECint2000 = 395
SPECint_base2000 = 370

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	100 200 300 400 500 600					
164.gzip	1400	481	291	475	295	[Bar chart showing ratio 295]					
175.vpr	1400	431	325	400	350	[Bar chart showing ratio 350]					
176.gcc	1100	261	421	257	427	[Bar chart showing ratio 427]					
181.mcf	1800	431	417	400	451	[Bar chart showing ratio 451]					
186.crafty	1000	274	365	251	398	[Bar chart showing ratio 398]					
197.parser	1800	522	345	483	373	[Bar chart showing ratio 373]					
252.eon	1300	336	387	325	400	[Bar chart showing ratio 400]					
253.perlbnk	1800	470	383	453	398	[Bar chart showing ratio 398]					
254.gap	1100	423	260	411	268	[Bar chart showing ratio 268]					
255.vortex	1900	381	498	320	594	[Bar chart showing ratio 594]					
256.bzip2	1500	359	418	332	452	[Bar chart showing ratio 452]					
300.twolf	3000	756	397	709	423	[Bar chart showing ratio 423]					

Hardware

CPU: UltraSPARC-III
 CPU MHz: 750
 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

253.perlbnk: -fast -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1



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Notes/Tuning Information (Continued)

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-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