CINT2000 Result

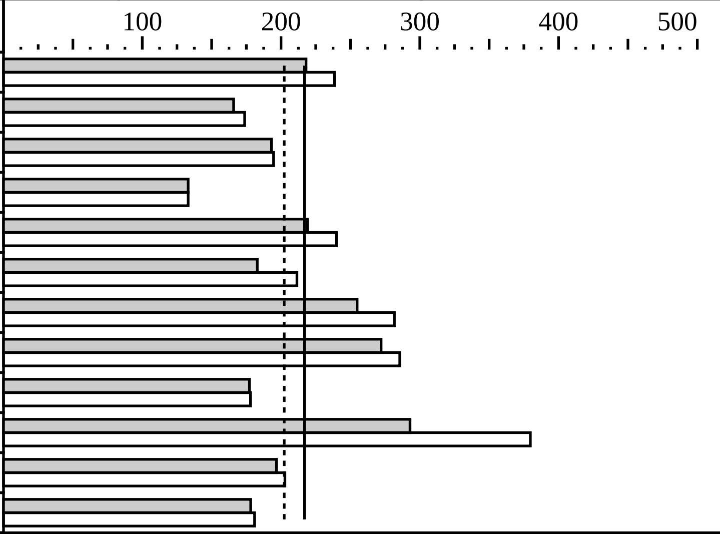
Sun Microsystems
Sun Blade 150 (550 MHz)

SPECint2000 = 217

SPECint_base2000 = 202

SPEC license #:	Tested by:	Test date:	Hardware Avail:	Software Avail:
6	Sun Microsystems, Palo Alto	Aug-2002	Aug-2002	Aug-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	642	218	587	239
175.vpr	1400	844	166	806	174
176.gcc	1100	570	193	565	195
181.mcf	1800	1353	133	1353	133
186.crafty	1000	456	219	417	240
197.parser	1800	984	183	851	211
252.eon	1300	510	255	461	282
253.perlbmk	1800	661	272	630	286
254.gap	1100	621	177	618	178
255.vortex	1900	649	293	500	380
256.bzip2	1500	763	197	740	203
300.twolf	3000	1684	178	1658	181



Hardware

CPU:	UltraSPARC IIi
CPU MHz:	550
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	512KB (I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1 x Seagate ST340016A
Other Hardware:	None

Software

Operating System:	Solaris 8 2/02
Compiler:	Sun ONE Studio 7 and Sun Performance Library 7
File System:	ufs
System State:	Multi-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

Profile Feedback (-xprofile):
       fdo_pre0: rm -rf ./feedback.profile ./SunWS_cache
         Pass 1: -xprofile=collect:./feedback
         Pass 2: -xprofile=use:./feedback
Base Flags:
 Base C   flags: -fast -xcrossfile -xprofile
 Base C++ flags: -fast -xcrossfile -xprofile

Peak Flags:
      164.gzip: -xO5 -xtarget=native -xalias_level=std -W2,-whole -xcrossfile -W2,-Ainline -xprofile
```

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Notes/Tuning Information (Continued)

```
         175.vpr: -fast -xalias_level=std -xcrossfile -xsfpconst -W2,-whole
                  -Wc,-Qeps:enabled=1,-Qeps:do_spec_load=1,-Qeps:rp_filtering_margin=100
                  -xregs=syst -lmopt -xprofile
         176.gcc: -fast -xcrossfile -W2,-whole -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xprofile
         181.mcf: basepeak=yes
      186.crafty: -fast -xF -xinline= -xcrossfile -Wc,-Qgsched-trace_late=1,-Qgsched-T4
                  -xalias_level=strong -xregs=syst -W2,-Ashort_ldst,-Aivel:duplicate_loops
                  -xprofile
      197.parser: -fast -xprefetch=no%auto -xcrossfile -xregs=syst
                  -Wc,-Qgsched-trace_late=1,-Qgsched-T4 -xalias_level=strong -Wc,-Qipa:valueprediction -xprofile
         252.eon: -fast -xchip=generic -xcrossfile -xalias_level=compatible -xsafe=mem
                  -Qoption iropt -Mt500,-xrestrict -Qoption cg -Qgsched-trace_late=1,-Qgsched-T4
                  -dn -lmopt -xprofile
    253.perlbmk: -xO5 -xtarget=native -xcrossfile -xalias_level=std -xsafe=mem
                  -Wc,-Qgsched-trace_late=1,-Qgsched-T4,-Qgsched-trace_spec_load=1
                  -Wc,-Qinline_memcpy=32 -Wc,-Qiselect-funcalign=32,-Qicache-chbab=1
                  -Wc,-Qiselect-sw_pf_tbl_th=20 -xprofile
         254.gap: -fast -xcrossfile -xalias_level=std -xprefetch=no%auto -xprofile
      255.vortex: -fast -xcrossfile -Wc,-Qeps:enabled=1,-Qeps:do_spec_load=1
                  -Wc,-Qinline_memcpy=32 -W2,-Aheap,-reroll=1,-Aunroll,-Ms1,-Mt500,-Mr6000,-crit
                  -Wc,-Qdepgraph-early_cross_call=1 -Wc,-Qiselect-funcalign=32
                  -Wc,-Qpeep-Sh0 -xrestrict -xprofile
       256.bzip2: -fast -W2,-Abopt -xcrossfile -xalias_level=strong
                  -Wc,-Qiselect-funcalign=32 -xregs=syst -xprofile
       300.twolf: -fast -xalias_level=strong -xsafe=mem -xcrossfile -xprefetch=no%auto -xprofile
```

ONESTEP=yes for all benchmarks in base and peak

Stack size set to unlimited via "ulimit -s unlimited"

Software Patches: All patches for the Sun ONE Studio 7 Compiler (Product Patches and OS patches) as recommended by http://access1.sun.com/sundev/s1s7-patches.html on Aug the 7th, 2002 were installed (111704-03 111705-02 111706-01 111708-01 111709-01 111714-01 111715-01 111716-02 111718-01 111723-01 108434-08 108435-08 111697-03 111721-02)