# CINT2000 Result

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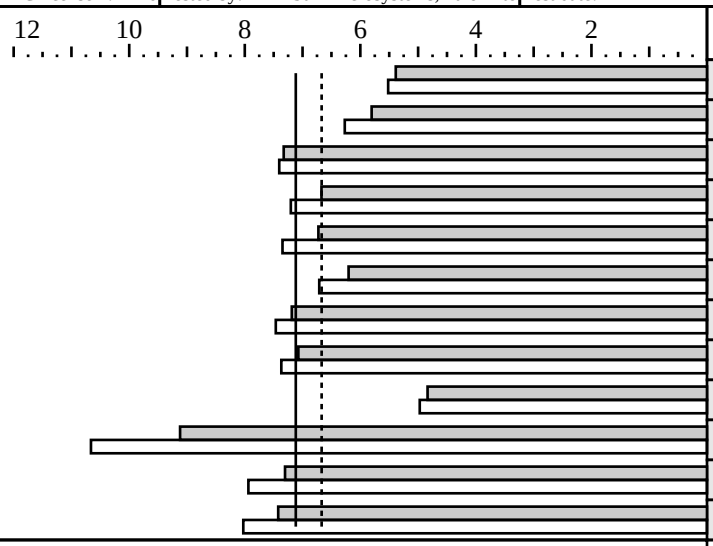
## Sun Microsystems
## Sun Blade 1000 Model 2600

SPECint_rate2000 = 7.12

SPECint_rate_base2000 = 6.67

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 603 | 5.39 | 2 | 589 | 5.52 |
| 175.vpr | 2 | 560 | 5.80 | 2 | 518 | 6.27 |
| 176.gcc | 2 | 348 | 7.33 | 2 | 345 | 7.40 |
| 181.mcf | 2 | 626 | 6.67 | 2 | 580 | 7.20 |
| 186.crafty | 2 | 345 | 6.73 | 2 | 316 | 7.35 |
| 197.parser | 2 | 673 | 6.20 | 2 | 622 | 6.71 |
| 252.eon | 2 | 420 | 7.19 | 2 | 404 | 7.46 |
| 253.perlbmk | 2 | 590 | 7.07 | 2 | 567 | 7.37 |
| 254.gap | 2 | 528 | 4.84 | 2 | 513 | 4.97 |
| 255.vortex | 2 | 483 | 9.12 | 2 | 413 | 10.7 |
| 256.bzip2 | 2 | 476 | 7.30 | 2 | 438 | 7.94 |
| 300.twolf | 2 | 938 | 7.42 | 2 | 867 | 8.03 |

### Hardware

| | |
|---|---|
| CPU: | UltraSPARC-III |
| CPU MHz: | 600 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 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)

```
 253.perlbmk: -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
```