# SPEC CINT95rate Results

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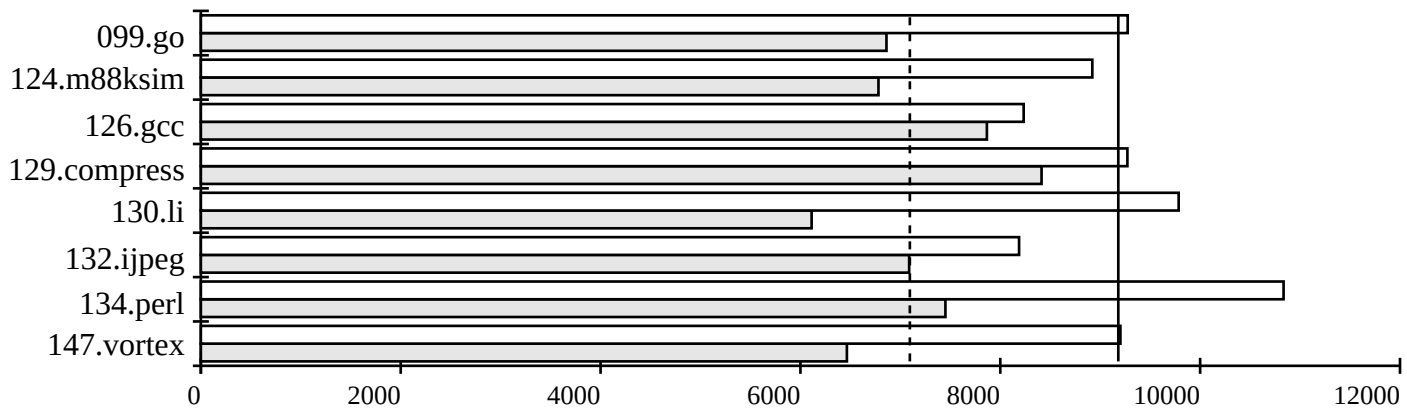
## Sun Microsystems
## Sun Enterprise 10000

SPECint_rate95 = 9181

SPECint_rate_base95 = 7095

| SPEC license # 6 | Tested By: Sun, Beaverton | Test Date: Apr-99 | Hardware Avail: May-99 | Software Avail: Mar-99 |
|---|---|---|---|---|




**SPECrate**

Hardware/Software Configuration for:
Sun Enterprise 10000

**Hardware**

| | |
|---|---|
| Model Name: | Enterprise 10000 |
| CPU: | 400MHz UltraSPARC II |
| FPU: | Integrated |
| Number of CPU(s): | 64 |
| Primary Cache: | 16KBI+16KBD on chip |
| Secondary Cache: | 8MB(I+D) off chip per CPU |
| Other Cache: | None |
| Memory: | 64 GB |
| Disk Subsystem: | 35 x 9.0GB |
| Other Hardware: | Ethernet |

**Software**

| | |
|---|---|
| Operating System: | Solaris 7 |
| Compiler: | Sun C 5.0 |
| File System: | UFS |
| System State: | Multiple User |
| Kernel Extensions: | |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 099.go | 64 | 386 | 6861 | 64 | 286 | 9275 |
| 124.m88ksim | 64 | 161 | 6781 | 64 | 123 | 8921 |
| 126.gcc | 64 | 124 | 7866 | 64 | 119 | 8234 |
| 129.compress | 64 | 123 | 8413 | 64 | 112 | 9272 |
| 130.li | 64 | 179 | 6112 | 64 | 112 | 9785 |
| 132.ijpeg | 64 | 195 | 7088 | 64 | 169 | 8188 |
| 134.perl | 64 | 147 | 7451 | 64 | 101 | 10835 |
| 147.vortex | 64 | 241 | 6465 | 64 | 169 | 9202 |
| SPECint_rate_base95 (G. Mean) | | | 7095 | | | |
| SPECint_rate95 (G. Mean) | | | | | | 9181 |

## Notes/Tuning Information

```
Baseline: -fast -xO5 -xarch=v8plusa -xprofile=use
Peak: CULTRA= -xarch=v8plusa -xchip=ultra
099.go: -fast -xO5 -xsafe=mem -xrestrict -xarch=v8plus -W2,-O4+ansi_alias+bopt -xprofile=use
124.m88ksim: -fast -xO4 -xarch=v8plus -xcrossfile -xrestrict
124 cont: -W2,-O4+cond_elim+pde,-Mt9000 -xprofile=use
126.gcc: -fast -xO4 -xsafe=mem  -fsimple=2 -W2,-O4+ansi_alias+cond_elim -xprofile=use
129.compress: -fast -xO4 -W2,-O4+ansi_alias+pde -xarch=v8plus -xprofile=use
130.li: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
130.li: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile
130 PASS2 cont: -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit -xprofile=use
132.ijpeg: -fast -xO5 -xsafe=mem  -xarch=v8plus -W2,-O4+ansi_alias -xprofile=use
134.perl: -fast -xO4 ${CULTRA} -xcrossfile -W2,-Mp1,-ANSI_S,-O4+cond_elim -Wc,-Qiselect-sw_pf_tbl_th=30 -xprofile=use -lfast
147.vortex: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
147: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xprofile=use
147 PASS2 cont: -W2,-O4+cond_elim,-Mt500,-Mr6000,crit
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc: -Dalloca=__builtin_alloca -Xc
others: -Xc
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
```

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