# SPEC CINT95rate Results

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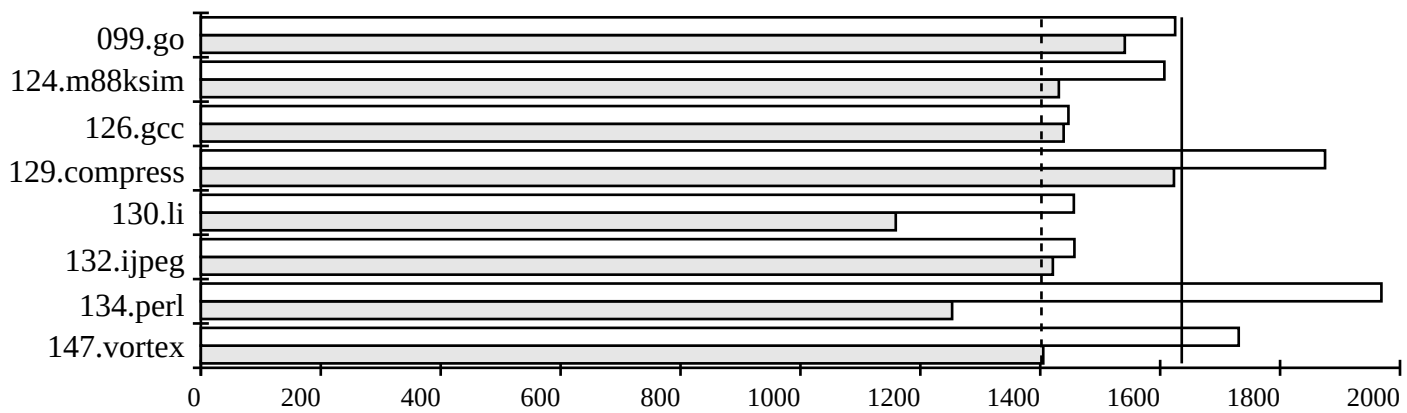
## Sun Microsystems
## Enterprise Server Model 6002/18

SPECint_rate95 = 1636

SPECint_rate_base95 = 1402

| SPEC license # 6 | Tested By: Sun, Mountain View | Test Date: Mar-97 | Hardware Avail: Apr-97 | Software Avail: Oct-97 |
|---|---|---|---|---|




Hardware/Software Configuration for:
Enterprise Server Model 6002/18

**Hardware**

| | |
|---|---|
| Model Name: | Enterprise Server Model 6002/18 |
| CPU: | 250MHz UltraSPARC II |
| FPU: | Integrated |
| Number of CPU(s): | 18 |
| Primary Cache: | 16KBI+16KBD on chip |
| Secondary Cache: | 4096KB(I+D) off chip |
| Other Cache: | None |
| Memory: | 5GB |
| Disk Subsystem: | 2 x 2.1GB |
| Other Hardware: | FastEthernet |

**Software**

| | |
|---|---|
| Operating System: | Solaris 2.5.1 |
| Compiler: | Sun C 5.0 alpha |
| File System: | UFS |
| System State: | MultiUser |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 099.go | 18 | 483 | 1541 | 18 | 459 | 1625 |
| 124.m88ksim | 18 | 215 | 1431 | 18 | 192 | 1607 |
| 126.gcc | 18 | 191 | 1439 | 18 | 190 | 1447 |
| 129.compress | 18 | 180 | 1623 | 18 | 155 | 1875 |
| 130.li | 18 | 266 | 1159 | 18 | 211 | 1456 |
| 132.ijpeg | 18 | 274 | 1421 | 18 | 267 | 1457 |
| 134.perl | 18 | 246 | 1253 | 18 | 156 | 1969 |
| 147.vortex | 18 | 311 | 1405 | 18 | 253 | 1731 |
| SPECint_rate_base95 (G. Mean) | | | 1402 | | | |
| | | | SPECint_rate95 (G. Mean) | | | 1636 |

## 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 -xrestrict -W2,-O4+cond_elim,-ldstr
124 cont: -Wc,-Qiselect-sw_pf_tbl_th=20 -xprofile=use
126.gcc: -fast -xO4  -fsimple=2 -W2,-O4+ansi_alias+bopt+cond_elim ${CULTRA} -xprofile=use
129.compress: -fast -xO4 -W2,-O4+ansi_alias -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,-Mt350,-whole -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,-Mt350 -Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc: -Dalloca=__builtin_alloca -Xc
others: -Xc
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
Config Version @(#)ultras.cfg 1.2 97/01/30
```

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