# SPEC CINT95rate Results

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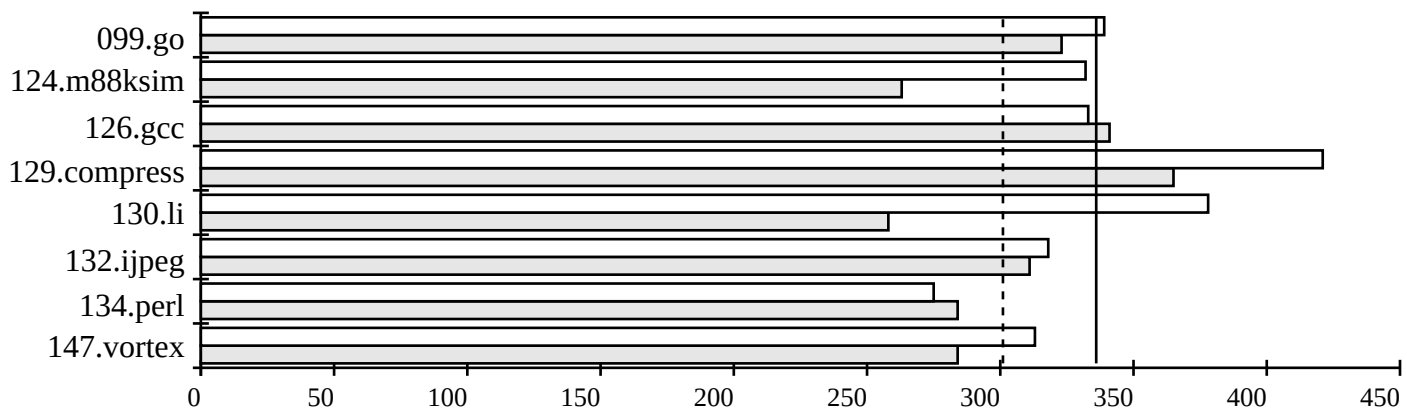
## Sun Microsystems
## Ultra Enterprise Model 3000/6

SPECint_rate95 = 336

SPECint_rate_base95 = 301

| SPEC license # 6 | Tested By: Sun, Mountain View | Test Date: Jul-96 | Hardware Avail: Aug-96 | Software Avail: May-96 |
|---|---|---|---|---|




Hardware/Software Configuration for:
Ultra Enterprise Model 3000/6

**Hardware**

| | |
|---|---|
| Model Name: | Ultra Enterprise Model 3000/6 |
| CPU: | 167MHz UltraSPARC |
| FPU: | Integrated |
| Number of CPU(s): | 6 |
| Primary Cache: | 16KBI+16KBD on chip |
| Secondary Cache: | 1024KB(I+D) off chip |
| Other Cache: | None |
| Memory: | 1536MB |
| Disk Subsystem: | 2 x 2GB |
| Other Hardware: | Ethernet |

**Software**

| | |
|---|---|
| Operating System: | Solaris 2.5.1 |
| Compiler: | Sun C 4.2 alpha |
| File System: | UFS |
| System State: | Single User |
| Kernel Extensions: | |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 099.go | 6 | 770 | 323 | 6 | 733 | 339 |
| 124.m88ksim | 6 | 391 | 263 | 6 | 309 | 332 |
| 126.gcc | 6 | 269 | 341 | 6 | 276 | 333 |
| 129.compress | 6 | 266 | 365 | 6 | 231 | 421 |
| 130.li | 6 | 398 | 258 | 6 | 272 | 378 |
| 132.ijpeg | 6 | 417 | 311 | 6 | 407 | 318 |
| 134.perl | 6 | 361 | 284 | 6 | 374 | 275 |
| 147.vortex | 6 | 514 | 284 | 6 | 466 | 313 |
| SPECint_rate_base95 (G. Mean) | | | 301 | | | |
| | | | SPECint_rate95 (G. Mean) | | | 336 |

## Notes/Tuning Information

```
Baseline: -fast -xarch=v8plus -xprofile=use -dn
Peak: CULTRA= -xarch=v8plusa -xchip=ultra -dn
099.go: -fast -xO5 -xarch=v8plus -xchip=ultra -xrestrict -xcrossfile -xprofile=use -xpad -lfast -lmvec
124.m88ksim: -fast -xO4 -xarch=v8plus -xrestrict -xcrossfile -Wc,-Qiselect-sw_pf_tbl_th=20,-Qpeep-Ex:use_int64=1 -xprofile=use
126.gcc: -fast -xO4 -xdepend -xarch=v8plus -xchip=ultra -xcrossfile -fsimple=2 -W2,-O4+ansi_alias ${CULTRA} -xprofile=use -xpad -lfast
129.compress: -fast -xO4 -xarch=v8plus -xcrossfile -W2,-O4+ansi_alias -xprofile=use
130.li: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect -lfast
130.li: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -W2,-O4+ansi_alias+pde,-Mt350 -xprofile=use -lfast
132.ijpeg: -fast -xarch=v8plus -xcrossfile -xprofile=use -xpad -lfast
134.perl: -fast -xarch=v8plus -xcrossfile -xprofile=use ${CULTRA} -lfast
147.vortex: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
147.vortex: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xprofile=use -W2,-Mr1500,-Mp1000
-Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7,-Qpeep-Sb0,-Qpeep-Cl1 -lfast
Portability: 124.m88ksim, 132.ijpeg: -DSYSV, 126.gcc: -Dalloca=__builtin_alloca
others: -Xc
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
Config Version @(#)alabama.cfg 1.0 96/06/13
```

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