# SPEC CFP95 Results

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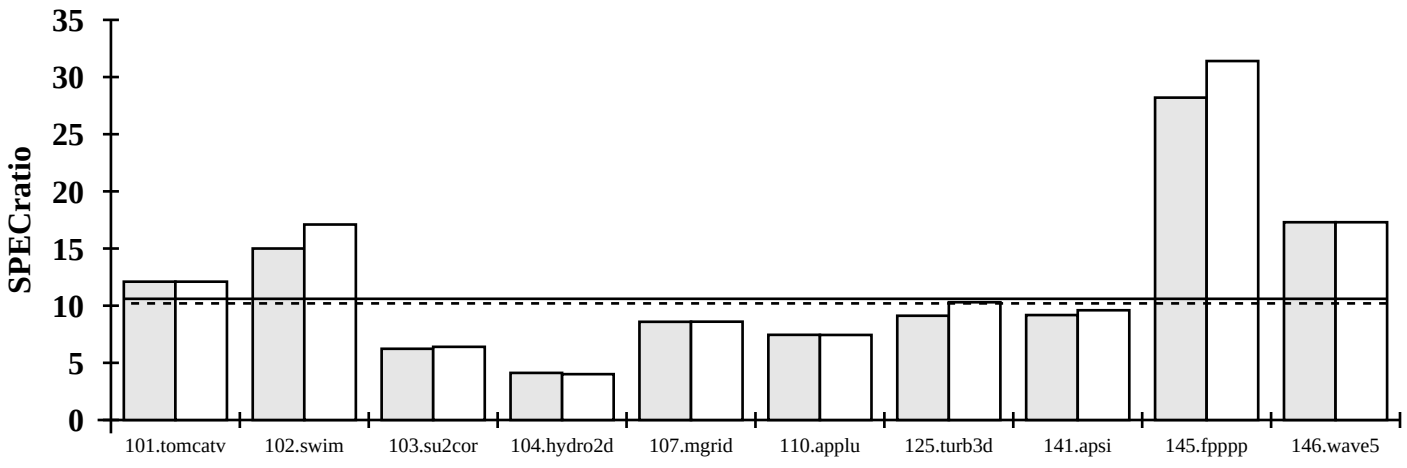
## SGI
## Indigo-2 Impact 10000 (195MHz, 1MB L2)

SPECfp95 = 10.6

SPECfp_base95 = 10.2

SPEC license # 04 | Tested By: SGI | Test Date: Jun-96 | Hardware Avail: Jun-96 | Software Avail: Jun-96




Hardware/Software Configuration for:
Indigo-2 Impact 10000 (195MHz, 1MB L2)

**Hardware**

| | |
|---|---|
| Model Name: | IMPACT 10000 |
| CPU: | 195MHz R10000 2.4 |
| FPU: | 195MHz R10010 0.0 |
| Number of CPU(s): | 1 |
| Primary Cache: | 16KBI+16KBD |
| Secondary Cache: | 1MB(I+D) |
| Other Cache: | None |
| Memory: | 192MB |
| Disk Subsystem: | 1 SCSI 4GB revision 0 |
| Other Hardware: | None |

**Software**

| | |
|---|---|
| Operating System: | IRIX64 6.2 MR |
| Compiler: | MipsPRO 7.0 KAP |
| File System: | XFS |
| System State: | single user |

| Benchmark # and Name | Reference Time | Base Run Time | Base SPEC Ratio | Run Time | SPEC Ratio |
|---|---|---|---|---|---|
| 101.tomcatv | 3700 | 305 | 12.1 | 305 | 12.1 |
| 102.swim | 8600 | 573 | 15.0 | 502 | 17.1 |
| 103.su2cor | 1400 | 225 | 6.23 | 219 | 6.40 |
| 104.hydro2d | 2400 | 582 | 4.12 | 598 | 4.01 |
| 107.mgrid | 2500 | 291 | 8.59 | 291 | 8.60 |
| 110.applu | 2200 | 295 | 7.45 | 296 | 7.44 |
| 125.turb3d | 4100 | 449 | 9.12 | 399 | 10.3 |
| 141.apsi | 2100 | 229 | 9.18 | 219 | 9.60 |
| 145.fpppp | 9600 | 340 | 28.2 | 305 | 31.4 |
| 146.wave5 | 3000 | 173 | 17.3 | 173 | 17.3 |
| SPECfp_base95 (G. Mean) | | | 10.2 | | |
| | | SPECfp95 (G. Mean) | | | 10.6 |

## Notes/Tuning Information

```
Base Flags: -Ofast -LNO:fusion=2
Peak Flags:
tomcatv: -O3 -n32 -mips4 -OPT:ro=3 -LNO:fusion=2
swim: -O3 -n32 -mips4 -OPT:ro=3:pad_common -Wl,-ivpad
su2cor: -O3 -n32 -mips4 -TENV:X=3 -OPT:ro=3:IEEE_arith=3:unroll_times_max=2:unroll_size=0:unroll_analysis=off
hydro2d: -O3 -mips4 -n32 -TENV:X=4 -OPT:ro=3:IEEE_arith=3 -LNO:prefetch=2:fusion=2
mgrid: -O3 -n32 -mips4 -IPA -LNO:fusion=2:prefetch=2
applu: -O3 -n32 -mips4 -IPA -OPT:ro=3:div_split -LNO:fusion=2
turb3d: -O3 -n32 -mips4 -OPT:pad_common:ro=3:IEEE_arith=3 -Wl,-ivpad
apsi: -O3 -n32 -mips4 -IPA -OPT:div_split -LNO:fusion=2:prefetch=0
fpppp: -rag -O2 -n32 -mips4 -rag -TARG:processor=t5 -OPT:fold_arith_limit=4000 -WK,-so=1,-r=2,-o=2 -lfastm
wave5: -Ofast -LNO:fusion=2
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org

-- Prepared By: --