# SPEC CFP95rate Results

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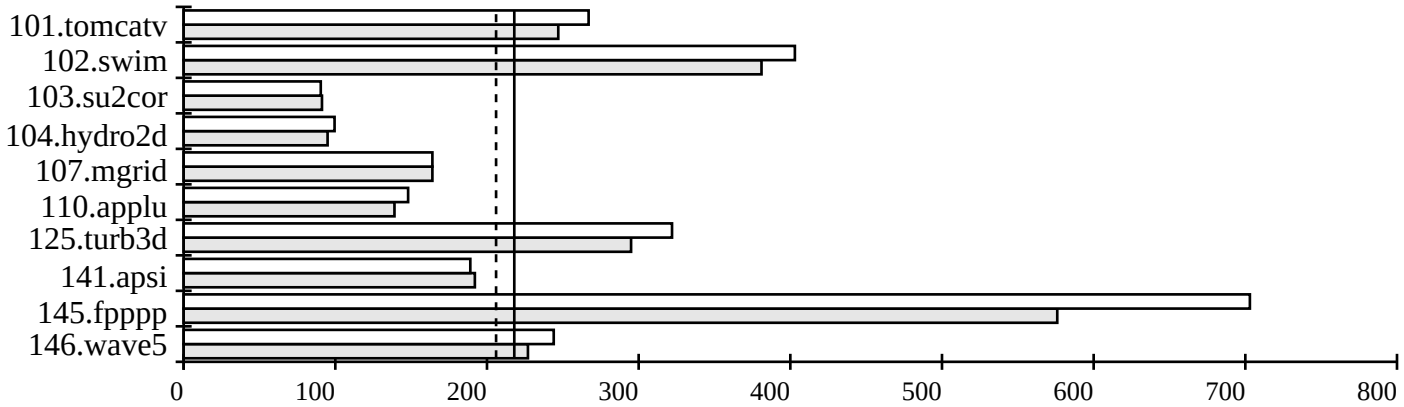
## IBM Corporation
## RISC System/6000 H50 (2 CPU)

SPECfp_rate95 = 218

SPECfp_rate_base95 = 206

| SPEC license # 11 | Tested By: IBM, Austin, TX | Test Date: Jul-99 | Hardware Avail: Feb-98 | Software Avail: Nov-98 |
|---|---|---|---|---|




Hardware/Software Configuration for:
RISC System/6000 H50 (2 CPU)

**Hardware**

| | |
|---|---|
| Model Name: | RS/6000 H50 (2 CPU) |
| CPU: | 332 MHz PowerPC 604e |
| FPU: | Integrated |
| Number of CPU(s): | 2 |
| Primary Cache: | 32KBI+32KBD on chip |
| Secondary Cache: | 256KB(I+D) off chip |
| Other Cache: | None |
| Memory: | 2 GB |
| Disk Subsystem: | 6x2.2GB |
| Other Hardware: | None |

**Software**

| | |
|---|---|
| Operating System: | AIX 4.3.2 |
| Compiler: | XL Fortran version 6.1.0.0<br>KAP version 3.2<br>VAST-2 version 4.01X8 |
| File System: | AIX/JFS |
| System State: | Multi-user |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 101.tomcatv | 2 | 270 | 247 | 2 | 249 | 267 |
| 102.swim | 2 | 406 | 381 | 2 | 384 | 403 |
| 103.su2cor | 2 | 276 | 91.2 | 2 | 279 | 90.4 |
| 104.hydro2d | 2 | 455 | 94.9 | 2 | 434 | 99.5 |
| 107.mgrid | 2 | 274 | 164 | 2 | 274 | 164 |
| 110.applu | 2 | 284 | 139 | 2 | 267 | 148 |
| 125.turb3d | 2 | 251 | 295 | 2 | 229 | 322 |
| 141.apsi | 2 | 197 | 192 | 2 | 200 | 189 |
| 145.fpppp | 2 | 300 | 576 | 2 | 246 | 703 |
| 146.wave5 | 2 | 238 | 227 | 2 | 221 | 244 |
| SPECfp_rate_base95 (G. Mean) | | | 206 | | | |
| | | | SPECfp_rate95 (G. Mean) | | | 218 |

### Notes/Tuning Information

```
Base: -O4 -qipa=level=2 -qhsflt -lmass
Peak:
101: -qhot -O3 -qarch=ppc -qnosave -Pv -Wp,-me -bnso -bI:/lib/syscalls.exp
102: -O3 -qarch=ppc -qhot -lmass
103: -O3 -qarch=ppc -qhot -qnosave -lmass -bnso -bI:/lib/syscalls.exp
104: -qtbtable=none -O3 -qarch=ppc -qfloat=hsflt -qnosave -qpdf1/pdf2
-Pk -Wp,-fuse,-r=3,-inl,-ur=2,-ur2=150,-f
107: -O4 -qipa=level=2 -qhsflt -lmass
110: -qipa=level=2:partition=large -qtbtable=none -Q -O3 -qfloat=hsflt -qnosave
-Pk -Wp,-fuse,-ur=4,-ur2=150,-r=2,-lm=5,-f -qpdf1/pdf2 -lmass; fdpr -R2
125: -qipa=level=2 -qmaxmem=-1 -O3 -qarch=ppc -Pv -Wp,-me,-o -lmass
141: -O3 -qarch=ppc -qhot -lmass -bnso -bI:/lib/syscalls.exp
145: -qhot -O3 -Q -qfloat=hsflt -Pv -Wp,-ea27,-o -1 -qlog4 -qnosave
-qmaxmem=-1 -qpdf1/pdf2 -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R3
146: -O3 -qarch=ppc -qfloat=hsflt -Q -Pk -Wp,-ag=a,-f -lmass -bnso
-bI:/lib/syscalls.exp; fdpr -R2
```

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