# SPEC CFP95rate Results

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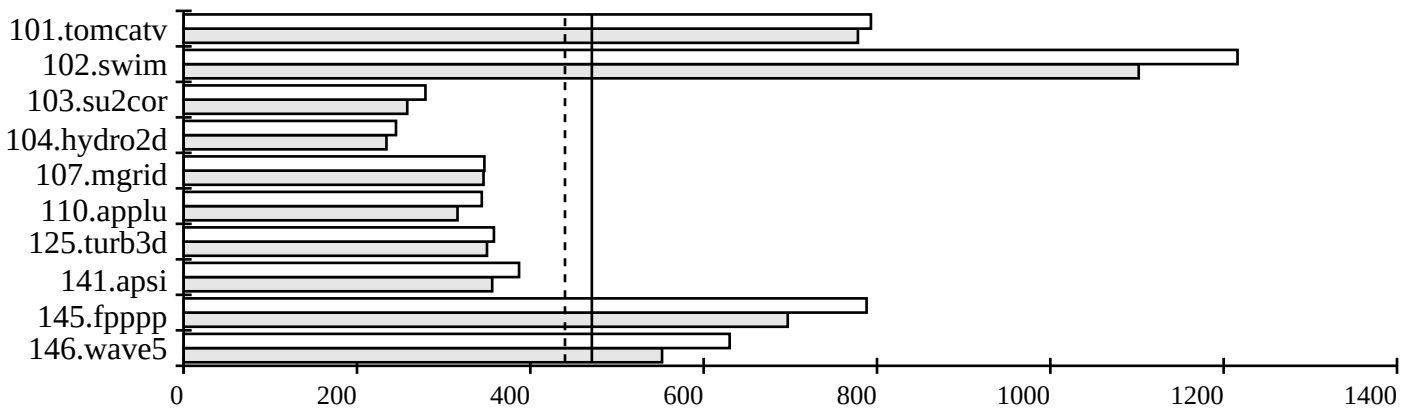
## Hewlett Packard
## HP 9000 Model C3000

SPECfp_rate95 = 471

SPECfp_rate_base95 = 440

| SPEC license # 3 | Tested By: HP Fort Collins, CO | Test Date: Jul-99 | Hardware Avail: May-99 | Software Avail: Nov-99 |
|---|---|---|---|---|




Hardware/Software Configuration for:
HP 9000 Model C3000

**Hardware**

| | |
|---|---|
| Model Name: | HP 9000 Model C3000 |
| CPU: | 400 MHz PA-RISC 8500 |
| FPU: | Integrated |
| Number of CPU(s): | 1 |
| Primary Cache: | 512KBI+1MBD on-chip |
| Secondary Cache: | None |
| Other Cache: | None |
| Memory: | 1GB |
| Disk Subsystem: | 1-18GB LVD SCSI Disk |
| Other Hardware: | None |

**Software**

| | |
|---|---|
| Operating System: | HP-UX B.11.00 |
| Compiler: | HP-UX f77 971027 (162928) B.11.00.01 |
| Compiler: | HP-UX f90 19981203 (200508) B.11.01.06 |
| File System: | HP-UX LVM with HFS |
| System State: | Multi-user |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 101.tomcatv | 1 | 42.8 | 778 | 1 | 42 | 793 |
| 102.swim | 1 | 70.2 | 1102 | 1 | 64 | 1216 |
| 103.su2cor | 1 | 48.8 | 258 | 1 | 45 | 279 |
| 104.hydro2d | 1 | 92.3 | 234 | 1 | 88 | 245 |
| 107.mgrid | 1 | 65.0 | 346 | 1 | 65 | 347 |
| 110.applu | 1 | 62.6 | 316 | 1 | 57 | 344 |
| 125.turb3d | 1 | 105 | 350 | 1 | 103 | 358 |
| 141.apsi | 1 | 53.1 | 356 | 1 | 49 | 387 |
| 145.fpppp | 1 | 124 | 697 | 1 | 110 | 788 |
| 146.wave5 | 1 | 48.9 | 552 | 1 | 43 | 630 |
| SPECfp_rate_base95 (G. Mean) | | | 440 | | | |
| SPECfp_rate95 (G. Mean) | | | | | | 471 |

## Notes/Tuning Information

```
Base:
All: f77 +Oall +Odataprefetch
Linker Flag: All: -Wl,-aarchive
Peak:
101: f77  +Oall +Odataprefetch -Wl,+pd,64K
102: f90  +Oall +Ocachepadcommon +Odataprefetch +Onofltacc +Onoloopblock +Onolooptransform +Onovectorize -Wl,+pd,1M
103: f77  +O3 +Ocachepadcommon +Odataprefetch +Ofastaccess +Oinline_budget=5 +Onofltacc +Onolimit -Wl,+pd,64K
104: f77  +O3 +Ocachepadcommon +Odataprefetch +Onofltacc +Onolimit -Wl,+pd,1M
107: f77  +Oall +Odataprefetch -Wl,+pd,64K
110: f77  +O3 +Ocachepadcommon +Odataprefetch +Onofltacc +Onoinline +I/+P -Wl,+pd,1M
125: f77  +Oall +Odataprefetch -Wl,+pd,1M
141: f77  +O3 +Ocachepadcommon +Odataprefetch +Onofltacc +Onolimit -Wl,+pd,16K
145: f77  +Oall +Oinline_budget=600 -Wl,+pd,64K
Linker Flag:  All: -Wl,-aarchive
Note: +I/+P indicates use of profile-based optimization
```

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-- Prepared By: --