SPEC CFP95 Results

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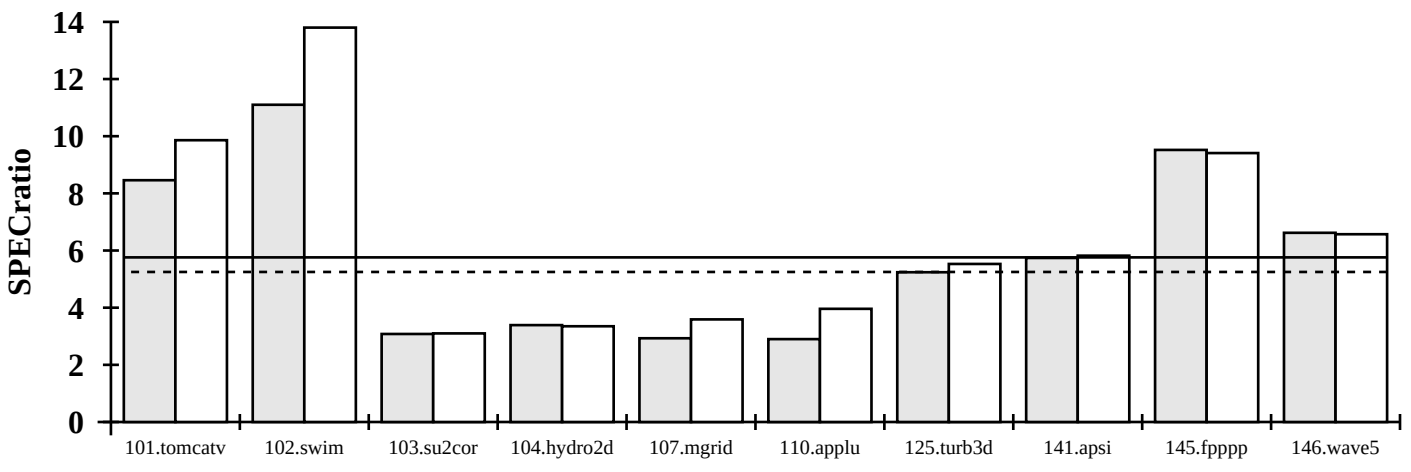
Intergraph Corporation
TDZ300 (180MHz)

SPECfp95 = 5.76

SPECfp_base95 = 5.25

SPEC license # 14 | Tested By: Intel | Test Date: Oct-95 | Hardware Avail: Mar-96 | Software Avail: Feb-96



Hardware/Software Configuration for:
TDZ300 (180MHz)

Hardware

Model Name:	TDZ300
CPU:	180MHz Pentium Pro Processor
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KBI+8KBD
Secondary Cache:	256KB(I+D)
Other Cache:	None
Memory:	128MB (60ns fast page)
Disk Subsystem:	2GB ST32550W
Other Hardware:	AHA-2940W Controller

Software

Operating System:	UnixWare 2.0, SDK
Compiler:	Intel FORTRAN Reference Compiler 2.2 Beta
File System:	ufs, vxfs (/tmp as 8MB /tmpfs)
System State:	Single user (root + killall)

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	437	8.46	375	9.86
102.swim	8600	776	11.1	622	13.8
103.su2cor	1400	455	3.08	451	3.10
104.hydro2d	2400	708	3.39	717	3.35
107.mgrid	2500	853	2.93	696	3.59
110.applu	2200	758	2.90	555	3.96
125.turb3d	4100	783	5.24	742	5.53
141.apsi	2100	366	5.74	361	5.82
145.fpppp	9600	1009	9.52	1020	9.41
146.wave5	3000	453	6.62	456	6.57
SPECfp_base95 (G. Mean)			5.25		
		SPECfp95 (G. Mean)			5.76

Notes/Tuning Information

```
Flags: Base: -tp p6 -ipo -pc 64
Non-base:
101: -tp p6 -ipo -mem -pad -distype -fcon -pc 64
102: -tp p6 -ipo -pad -fcon -pc 64
103: -tp p6 -ip -mem -mil1 -pad -fcon -pc 64
104: -ip -mem -mil1 -pc 64
107: -tp p6 -pad -fcon -pc 64
110: -ipo -mem -mP2OPT_opt_bblock_stat_limit=10000 -pc 64
125: -tp p6 -ip -mem -mil1 -pad -fcon -pc 64
141: Pass1: -tp p6 -prof_gen -ircdb_dir /tmp/IRCDB
Pass2: -tp p6 -pc 64 -prof_use -ircdb_dir /tmp/IRCDB
145: -tp p6 -ipo  -pc 64
146: Pass1: -tp p6 -profgen -ircdb_dir /tmp/IRCDB
Pass2: -tp p6 -ipo -mem -pad -distype -pc 64 -prof_use -ircdb_dir /tmp/IRCDB
Memory subsystem is four-way interleaved.  Fastest memory timings selected in bios.
200MHz processor clocked to 180MHz (change in oscillator) for test purposes
```

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