SPEC CFP95rate Results

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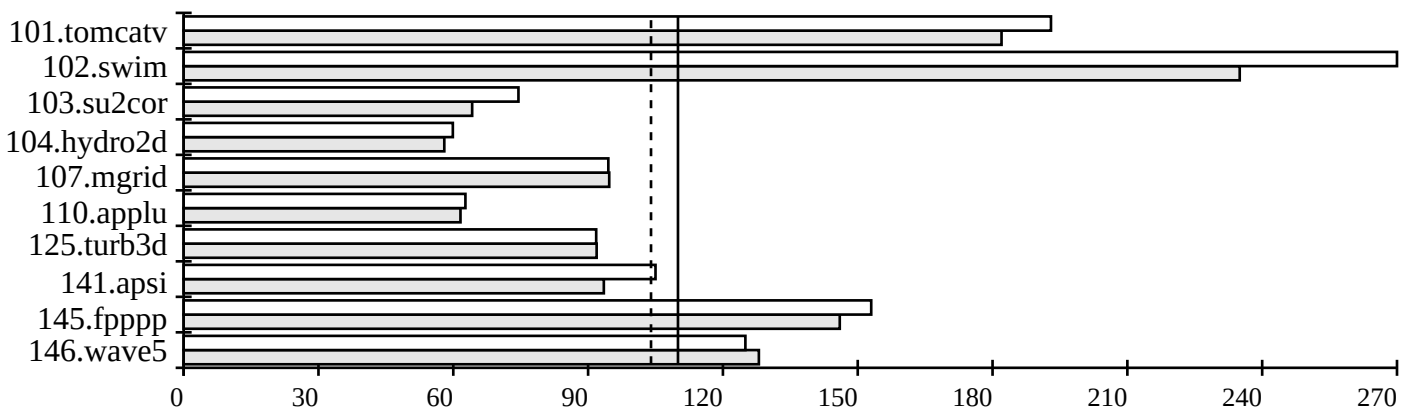
Sun Microsystems
Ultra 2 Creator (3D) Model 1200

SPECfp_rate95	=	110
SPECfp_rate_base95	=	104

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Apr-97	Hardware Avail: Apr-97	Software Avail: Oct-97



Hardware/Software Configuration for:
Ultra 2 Creator (3D) Model 1200

Hardware

Model Name:	Ultra 2 Creator (3D) Model 1200
CPU:	200MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1MB(I+D) off chip
Other Cache:	None
Memory:	128MB
Disk Subsystem:	1 x 2.1GB 1 x 2.1GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 5.0 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
101.tomcatv	2	365	182	2	345	193
102.swim	2	659	235	2	573	270
103.su2cor	2	392	64.2	2	338	74.5
104.hydro2d	2	745	58.0	2	721	59.9
107.mgrid	2	475	94.7	2	476	94.5
110.applu	2	643	61.6	2	632	62.7
125.turb3d	2	803	91.9	2	804	91.8
141.apsi	2	404	93.5	2	361	105
145.fpppp	2	1188	146	2	1132	153
146.wave5	2	423	128	2	431	125
SPECfp_rate_base95 (G. Mean)			104			
SPECfp_rate95 (G. Mean)						110

Notes/Tuning Information

```
Baseline: -fast -xO5  -xarch=v8plusa
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg
101.tomcatv: -fast -xO4  ${FULTRA} -xpad=local -xpad=common
102.swim: -fast -xO4  ${FULTRA} -xpad=local -xpad=common -dn
103.su2cor: -fast -xO4  -xtarget=ultra -xarch=v8plusa -Qoption iropt
103 cont: -Qms_pipe+nfll=5 -xprofile=use -lmvec
104.hydro2d: -fast -xO5  -xarch=v8plusa -xsafe=mem -xinline= -Qoption
104 cont: -xprofile=use -fsimple=2
107.mgrid: -fast -xO4  -xtarget=ultra -xarch=v8plusa
110.applu: -fast -xO5  -xarch=v8plus -Qoption cg -Qms_pipe+mkuf=5
125.turb3d: -fast -xO5  -xsafe=mem -xpad=local -xpad=common -Qoption
125 cont: -xprofile=use -lmvec
141.apsi: -fast -xO4  -xarch=v8plus -fsimple=2 -dn
145.fpppp: -fast -xO5  -xsafe=mem ${FULTRA} -dn -xprofile=use
146.wave5: -fast -xO4  -xarch=v8plus -xprofile=use
Config Version @(#)ultra1x200_fast.cfg 1.0 97/04/16
```