SPEC CFP95rate Results

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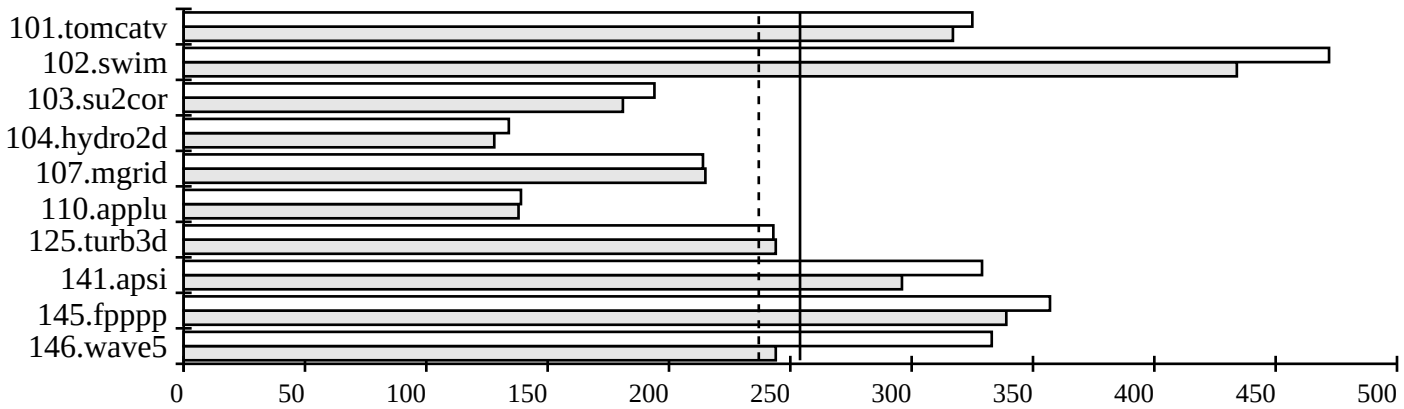
Sun Microsystems
Ultra 2 Creator (3D) Model 2300

SPECfp_rate95 = 254

SPECfp_rate_base95 = 237

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 2300

Hardware

Model Name:	Ultra 2 Creator (3D) Model 2300
CPU:	300MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2MB(I+D) off chip
Other Cache:	None
Memory:	256MB
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	210	317	2	205	325
102.swim	2	357	434	2	328	472
103.su2cor	2	139	181	2	130	194
104.hydro2d	2	337	128	2	323	134
107.mgrid	2	209	215	2	210	214
110.applu	2	287	138	2	285	139
125.turb3d	2	303	244	2	304	243
141.apsi	2	128	296	2	115	329
145.fpppp	2	510	339	2	484	357
146.wave5	2	221	244	2	162	333
SPECfp_rate_base95 (G. Mean)			237			
SPECfp_rate95 (G. Mean)						254

Notes/Tuning Information

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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 @(#)ultra2x300_fast.cfg 1.0 97/04/02
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