SPEC CFP95rate Results

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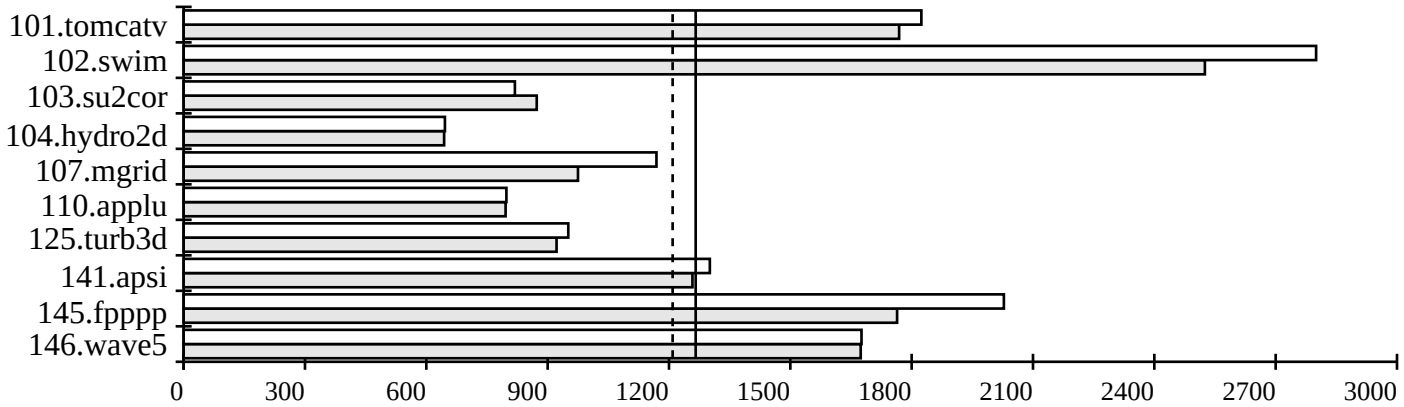
Sun Microsystems
Ultra Enterprise Model 6000/18

SPECfp_rate95 = 1266

SPECfp_rate_base95 = 1209

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Jul-96	Hardware Avail: Aug-96	Software Avail: May-96



Hardware/Software Configuration for:
Ultra Enterprise Model 6000/18

Hardware

Model Name:	Ultra Enterprise Model 6000/18
CPU:	167MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	18
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	6144MB
Disk Subsystem:	2 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 4.2 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	18	339	1769	18	329	1824
102.swim	18	552	2525	18	498	2800
103.su2cor	18	260	873	18	277	819
104.hydro2d	18	604	644	18	602	646
107.mgrid	18	416	975	18	346	1169
110.applu	18	448	796	18	447	798
125.turb3d	18	720	922	18	699	951
141.apsi	18	270	1258	18	262	1301
145.fpppp	18	882	1764	18	767	2028
146.wave5	18	290	1674	18	290	1676
SPECfp_rate_base95 (G. Mean)			1209			
			SPECfp_rate95 (G. Mean)			1266

Notes/Tuning Information

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Baseline: -fast -xdepend -xarch=v8plus -dn
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
101.tomcatv: -fast -xO5 -xdepend ${FULTRA} -xpad -xcache=16/32/4:1024/64/1 -xprofile=use -dn -lfast
102.swim: -fast -xO4 -xdepend ${FULTRA} -xpad -dn
103.su2cor: -fast -xO4 -xdepend -xtarget=ultra -xarch=v8plus -Qoption cg
-Qms_pipe+nfll=5 -xcache=16/32/4:1024/64/1 -xpad -xprofile=use
104.hydro2d: -fast -xO5 -xdepend ${FULTRA} -xprofile=use -dn -lfast
107.mgrid: -fast -xO4 -xdepend -xtarget=ultra -xarch=v8plus -dn
110.applu: -fast -xO5 -xdepend ${FULTRA} -dn -xprofile=use
125.turb3d: -fast -xO5 -xdepend -xarch=v8plus -xsafe=mem -xpad -Qoption cg
-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
141.apsi: -fast -xO4 -xdepend ${FULTRA} -dn
145.fpppp: -fast -xO5 -xdepend -xsafe=mem ${FULTRA} -dn -xpad -xcache=16/32/4:1024/64/1 -xprofile=use
146.wave5: -fast -xO4 -xdepend -xarch=v8plus -xprofile=use -lfast
Config Version @(#)alabama.cfg 1.0 96/06/13
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