SPEC CFP95rate Results

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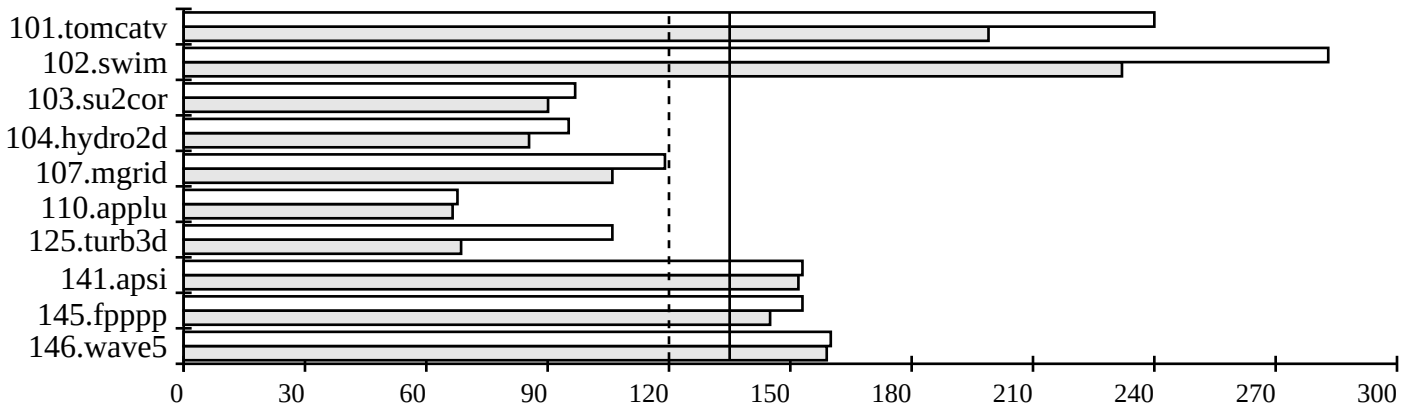
Sun Microsystems
Enterprise Server Model 3002/1

SPECfp_rate95 = 135

SPECfp_rate_base95 = 120

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



Hardware/Software Configuration for:
Enterprise Server Model 3002/1

Hardware

Model Name:	Enterprise Server Model 3002/1
CPU:	250MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4096KB(I+D) off chip
Other Cache:	None
Memory:	1GB
Disk Subsystem:	2 x 2.1GB
Other Hardware:	FastEthernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 5.0 alpha
File System:	UFS
System State:	MultiUser

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	167	199	1	139	240
102.swim	1	334	232	1	274	283
103.su2cor	1	140	90.1	1	130	96.8
104.hydro2d	1	253	85.4	1	227	95.2
107.mgrid	1	212	106	1	189	119
110.applu	1	298	66.5	1	293	67.7
125.turb3d	1	538	68.6	1	348	106
141.apsi	1	124	152	1	124	153
145.fpppp	1	597	145	1	565	153
146.wave5	1	170	159	1	169	160
SPECfp_rate_base95 (G. Mean)			120			
			SPECfp_rate95 (G. Mean)			135

Notes/Tuning Information

```
Baseline: -fast -xO5  -xarch=v8plusa
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
101.tomcatv: -fast -xO4  ${FULTRA} -xpad=local -xpad=common -Qoption cg -Qms_pipe+pref2
102.swim: -fast -xO4  ${FULTRA} -xpad=local -xpad=common -Qoption cg -Qms_pipe+pref2 -dn
103.su2cor: -fast -xO4  -xtarget=ultra -xarch=v8plusa -Qoption iropt -O4+vector -Qoption cg -Qms_pipe+nfll=5 -xprofile=use -lmvec
104.hydro2d: -fast -xO5  -xarch=v8plusa -xsafe=mem -xinline= -Qoption iropt -O4+pde
${FULTRA} -Qoption cg -Qms_pipe+pref2 -xprofile=use -fsimple=2
107.mgrid: -fast -xO4  -xtarget=ultra -xarch=v8plusa -Qoption cg -Qms_pipe+pref2,-Qms_pipe-unrrest
110.applu: -fast -xO5  -xarch=v8plus -Qoption cg -Qms_pipe+mkuf=5 -dn -xprofile=use
125.turb3d: -fast -xO5  -xsafe=mem -xpad=local -xpad=common -Qoption iropt -O4+vector ${FULTRA} -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 @(#)ultras.cfg 1.2 97/01/30
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