SPEC CINT95rate Results

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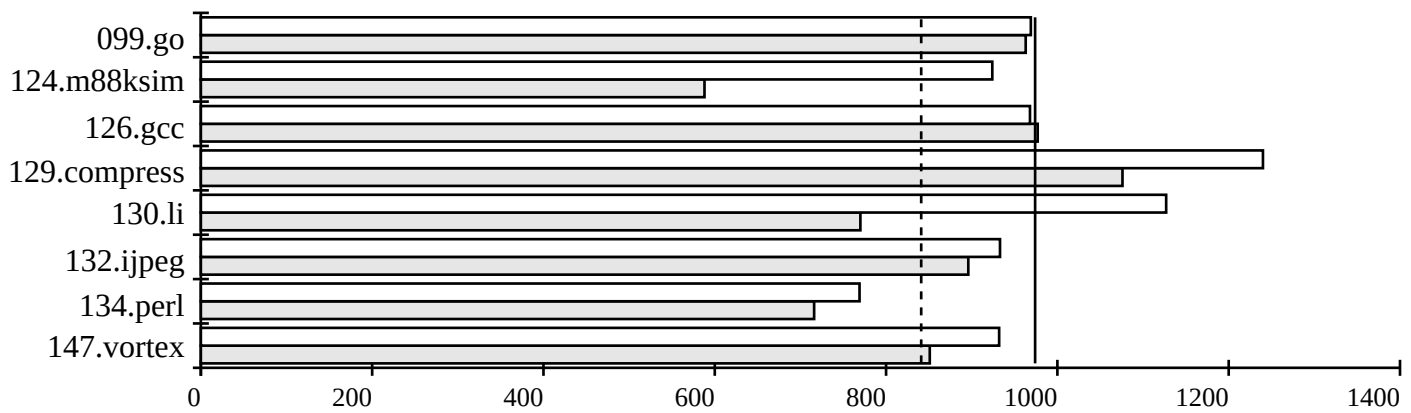
Sun Microsystems
Ultra Enterprise Model 6000/18

SPECint_rate95 =	974
SPECint_rate_base95 =	841

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 C 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
099.go	18	774	963	18	769	969
124.m88ksim	18	524	588	18	333	924
126.gcc	18	282	977	18	284	968
129.compress	18	271	1076	18	235	1240
130.li	18	400	770	18	273	1127
132.ijpeg	18	434	896	18	417	933
134.perl	18	430	716	18	400	769
147.vortex	18	514	851	18	469	932
SPECint_rate_base95 (G. Mean)			841			
			SPECint_rate95 (G. Mean)			974

Notes/Tuning Information

```
Baseline: -fast -xarch=v8plus -xprofile=use -dn
Peak: CULTRA= -xarch=v8plusa -xchip=ultra -dn
099.go: -fast -xO5 -xarch=v8plus -xchip=ultra -xrestrict -xcrossfile -xprofile=use -xpad -lfast -lmvec
124.m88ksim: -fast -xO4 -xarch=v8plus -xrestrict -xcrossfile -Wc,-Qiselect-sw_pf_tbl_th=20,-Qpeep-Ex:use_int64=1 -xprofile=use
126.gcc: -fast -xO4 -xdepend -xarch=v8plus -xchip=ultra -xcrossfile -fsimple=2 -W2,-O4+ansi_alias ${CULTRA} -xprofile=use -xpad -lfast
129.compress: -fast -xO4 -xarch=v8plus -xcrossfile -W2,-O4+ansi_alias -xprofile=use
130.li: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect -lfast
130.li: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -W2,-O4+ansi_alias+pde,-Mt350 -xprofile=use -lfast
132.ijpeg: -fast -xarch=v8plus -xcrossfile -xprofile=use -xpad -lfast
134.perl: -fast -xarch=v8plus -xcrossfile -xprofile=use ${CULTRA} -lfast
147.vortex: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
147.vortex: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xprofile=use -W2,-Mr1500,-Mp1000
-Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7,-Qpeep-Sb0,-Qpeep-Cl1 -lfast
Portability: 124.m88ksim, 132.ijpeg: -DSYSV, 126.gcc: -Dalloca=__builtin_alloca
others: -Xc
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
Config Version @(#)alabama.cfg 1.0 96/06/13
```

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