SPEC CINT95rate Results

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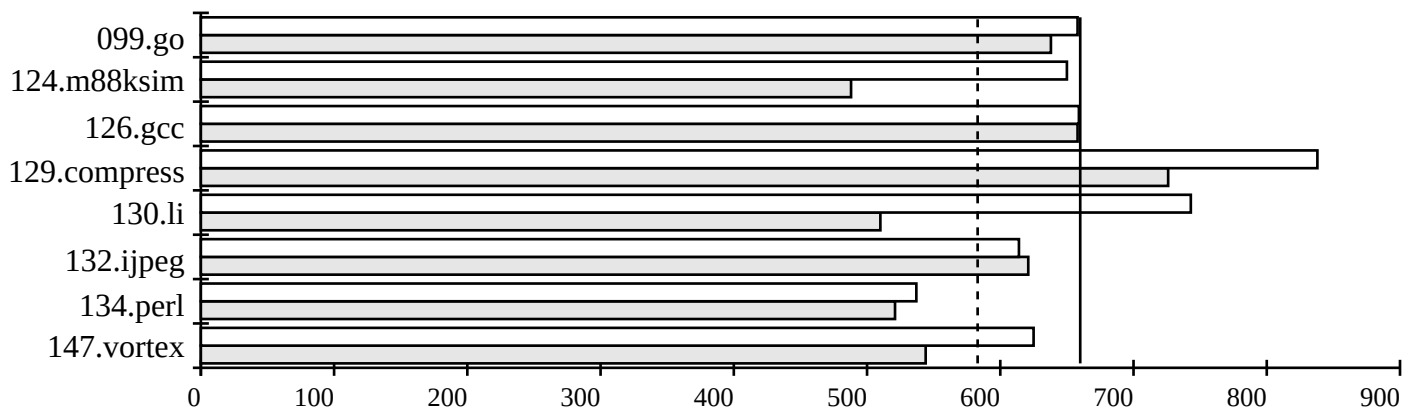
Sun Microsystems
Ultra Enterprise Model 4000/12

SPECint_rate95 =	660
SPECint_rate_base95 =	583

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 4000/12

Hardware

Model Name:	Ultra Enterprise Model 4000/12
CPU:	167MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	12
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	3072MB
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	12	778	638	12	755	658
124.m88ksim	12	421	488	12	316	650
126.gcc	12	279	658	12	279	659
129.compress	12	268	726	12	232	838
130.li	12	402	510	12	276	743
132.ijpeg	12	417	621	12	422	614
134.perl	12	394	521	12	382	537
147.vortex	12	537	544	12	466	625
SPECint_rate_base95 (G. Mean)			583			
			SPECint_rate95 (G. Mean)			660

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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