SPEC CINT95rate Results

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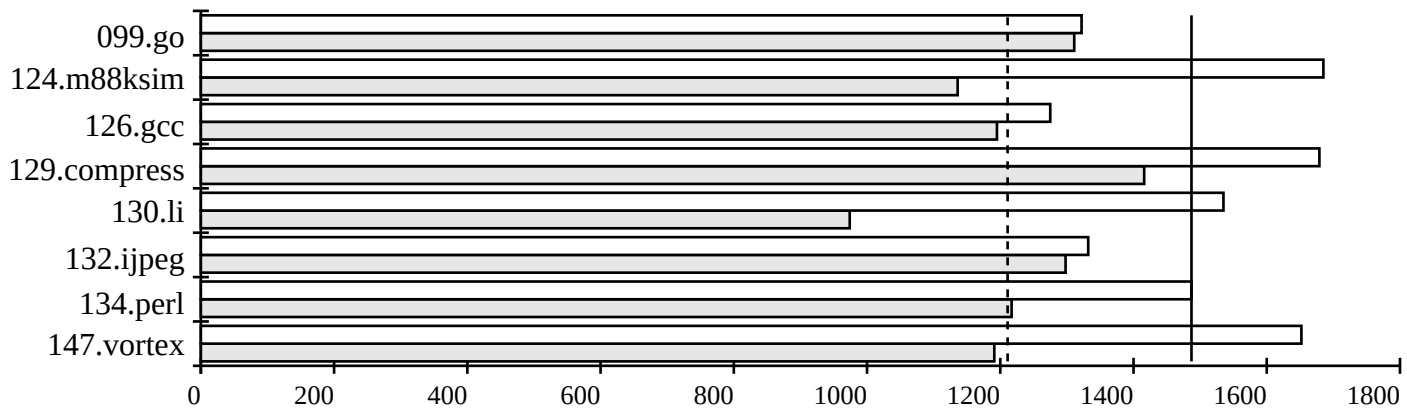
Sun Microsystems Inc.
Sun Enterprise 4000

SPECint_rate95 = 1487

SPECint_rate_base95 = 1211

SPEC license # 6	Tested By: Sun, Menlo Park	Test Date: Feb-98	Hardware Avail: Mar-98	Software Avail: Aug-98



Hardware/Software Configuration for:
Sun Enterprise 4000

Hardware

Model Name:	Sun Enterprise 4000/12
CPU:	336MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	12
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
Other Cache:	None
Memory:	4GB
Disk Subsystem:	4 x 2.1GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.6
Compiler:	Sun C 5.0
File System:	UFS
System State:	Multiuser

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	12	379	1311	12	376	1322
124.m88ksim	12	181	1136	12	122	1685
126.gcc	12	154	1195	12	144	1275
129.compress	12	137	1416	12	116	1679
130.li	12	211	974	12	134	1535
132.ijpeg	12	200	1298	12	195	1332
134.perl	12	169	1217	12	138	1487
147.vortex	12	245	1191	12	177	1652
SPECint_rate_base95 (G. Mean)			1211			
			SPECint_rate95 (G. Mean)			1487

Notes/Tuning Information

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Baseline: -fast -xO5 -xarch=v8plusa -xprofile=use
Peak: CULTRA= -xarch=v8plusa -xchip=ultra
099.go: -fast -xO5 -xsafe=mem -xrestrict -xarch=v8plus -W2,-O4+ansi_alias+bopt -xprofile=use
124.m88ksim: -fast -xO4 -xarch=v8plus -xcrossfile -xrestrict
124 cont: -W2,-O4+cond_elim+pde,-Mt9000 -xprofile=use
126.gcc: -fast -xO4 -xsafe=mem  -fsimple=2 -W2,-O4+ansi_alias+cond_elim -xprofile=use
129.compress: -fast -xO4 -W2,-O4+ansi_alias+pde -xarch=v8plus -xprofile=use
130.li: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
130.li: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile
130 PASS2 cont: -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit -xprofile=use
132.ijpeg: -fast -xO5 -xsafe=mem  -xarch=v8plus -W2,-O4+ansi_alias -xprofile=use
134.perl: -fast -xO4 ${CULTRA} -xcrossfile -W2,-Mp1,-ANSI_S,-O4+cond_elim -Wc,-Qiselect-sw_pf_tbl_th=30 -xprofile=use -lfast
147.vortex: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
147: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xprofile=use
147 PASS2 cont: -W2,-O4+cond_elim,-Mt500,-Mr6000,crit
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc: -Dalloca=__builtin_alloca -Xc
others: -Xc
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
Config Version @(#)ultradarwin.cfg 1.2 97/01/30
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