SPEC CINT95rate Results

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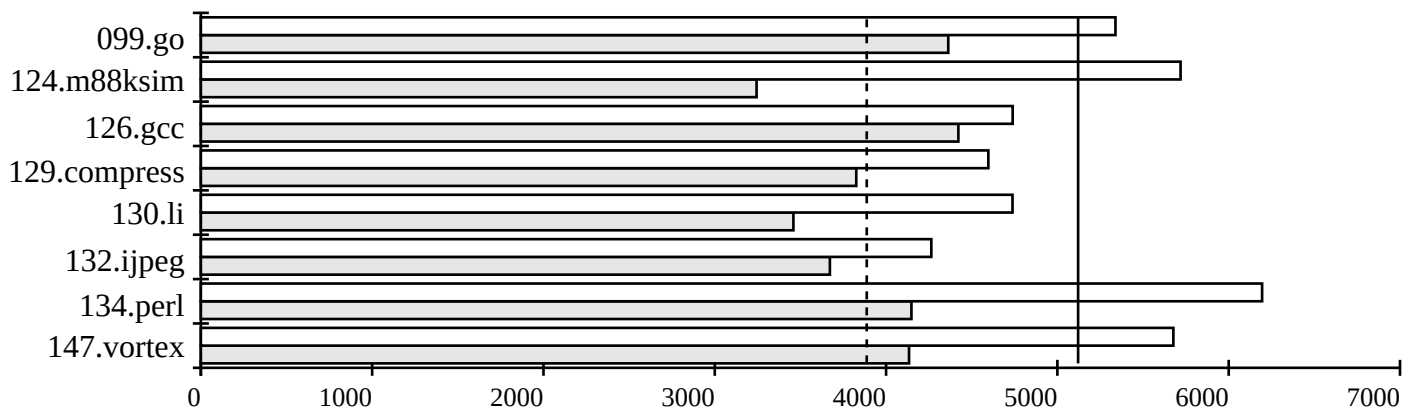
Fujitsu Limited
GP7000F Model 2000 (330MHz)

SPECint_rate95 = 5121

SPECint_rate_base95 = 3887

SPEC license # 19	Tested By: Fujitsu Limited	Test Date: Mar-2000	Hardware Avail: Jan-2000	Software Avail: Jan-2000



Hardware/Software Configuration for:
GP7000F Model 2000 (330MHz)

Hardware

Model Name:	Fujitsu GP7000F Model 2000
CPU:	330MHz SPARC64 GP
FPU:	Integrated
Number of CPU(s):	32
Primary Cache:	64KBI+64KBD on chip, 4way
Secondary Cache:	8.0MB(I+D) off chip, per cpu
Other Cache:	None
Memory:	32GB
Disk Subsystem:	1 x 9GB 10,000rpm (OS) 1 x GR700(20 x 9GB 10,000rpm)
Other Hardware:	Ethernet

Software

Operating System:	Solaris 7 HW:8/99
Compiler:	SUN SC5.0
File System:	UFS
System State:	Multi User
Kernel Extensions:	set consistent_coloring=1

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	32	304	4363	32	248	5339
124.m88ksim	32	169	3244	32	96	5719
126.gcc	32	111	4422	32	103	4739
129.compress	32	136	3826	32	113	4597
130.li	32	158	3459	32	115	4738
132.ijpeg	32	188	3672	32	162	4264
134.perl	32	132	4148	32	88	6195
147.vortex	32	188	4134	32	137	5677
SPECint_rate_base95 (G. Mean)			3887			
SPECint_rate95 (G. Mean)						5121

Notes/Tuning Information

```
USE_MULX= -Wc,-Qiselect-imulx=1
Base: -xO4 ${USE_MULX} -xarch=v8plus
PASS1= -xprofile=collect:‘pwd‘/../feedback
PASS2= -xprofile=use:‘pwd‘/../feedback
Peak:
CACHE= -xcache=64/64/4:8192/64/1
099.go: ${USE_MULX} -fast -xO5 -xrestrict -xarch=v8plus ${CACHE} -W2,-O4+ansi_alias+cond_elim+bopt -xprofile=use -dn
124.m88ksim: -fast -xO5 -xarch=v8plus -xcrossfile -xrestrict ${CACHE}
124.m88ksim: -W2,-O4+cond_elim+bopt+pde,-ldstr,-Mt8500 ${USE_MULX} -xprofile=use -dn
126.gcc: -fast -xO4 -xarch=v8plus ${CACHE} -W2,-ANSI_S,-Mp1,-O4+ansi_alias+cond_elim+pde,-ldstr,-Mt500
126.gcc: -Wc,-Qiselect-sw_pf_tbl_th=30 ${USE_MULX} -xprofile=use
129.compress: -fast -xO5 -xarch=v8plus -xrestrict ${CACHE} -W2,-O4+ansi_alias+cond_elim+pde -Vc,-Qms_pipe+unoovf
129.compress: ${USE_MULX} -xprofile=use -dn
130.li: PASS1=-fast -xO4 -xarch=v8plus ${USE_MULX} -xcrossfile -xprofile=collect
130.li: PASS2=-fast -xO5 -xarch=v8plus -xcrossfile ${CACHE} ${USE_MULX}
130.li: -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit -xprofile=use -dn
132.ijpeg: -fast -xO5 -xarch=v8plus ${CACHE} -W2,-O4+ansi_alias+cond_elim ${USE_MULX} -xprofile=use -dn
134.perl: -fast -xO4 -xarch=v8plus ${CACHE} -xcrossfile -W2,-Mp1,-ANSI_S,-O4+cond_elim
134.perl: -Wc,-Qiselect-sw_pf_tbl_th=30 ${USE_MULX} -xrestrict -xprofile=use -lfast -dn
147.vortex: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile ${USE_MULX} -xprofile=collect
147.vortex: PASS2=-fast -xO5 -xarch=v8plus -xcrossfile ${CACHE} ${USE_MULX} -xprofile=use
147.vortex: -W2,-O4+cond_elim,-Mt500,-Mr6000,-crit -dn
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc: -Dalloca=__builtin_alloca -Xc
Shell limits: ulimit -n 1024; ulimit -s 81920;
Disk Subsystem:
  1 x GR700, RAID-0 striped across 20 x 9GB, 10,000rpm disks with 64KB stripe size
```