SPEC CINT95rate Results

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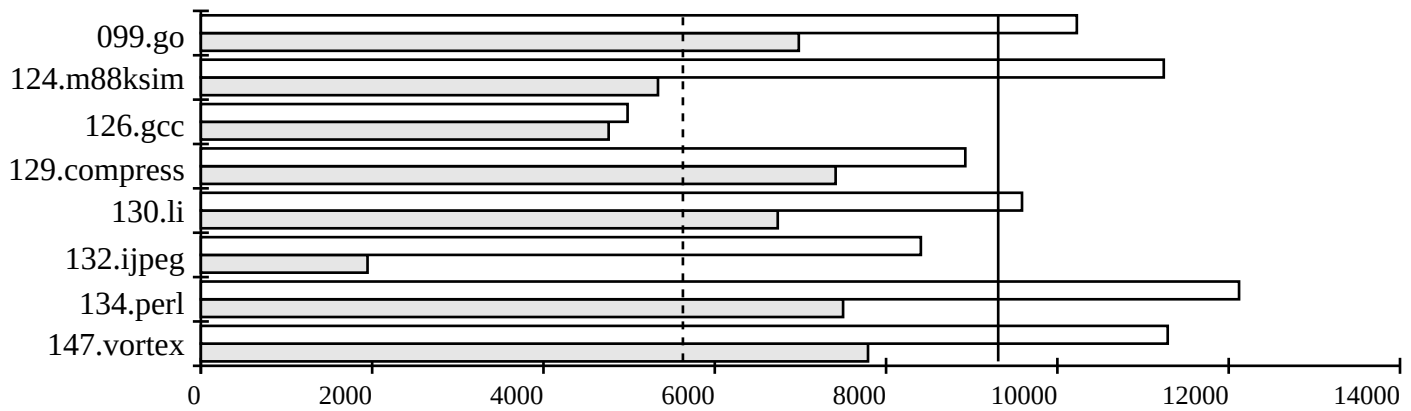
Fujitsu Limited
GP7000F Model 2000 (330MHz)

SPECint_rate95 = 9309

SPECint_rate_base95 = 5628

SPEC license # 19	Tested By: Fujitsu Limited	Test Date: Feb-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):	64
Primary Cache:	64KBI+64KBD on chip, 4way
Secondary Cache:	8.0MB(I+D) off chip, per cpu
Other Cache:	None
Memory:	64GB
Disk Subsystem:	1 x 9GB 10,000rpm (OS) 1 x GP-D1RKS1(25 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	64	380	6981	64	259	10227
124.m88ksim	64	205	5337	64	97	11242
126.gcc	64	206	4761	64	197	4982
129.compress	64	140	7411	64	116	8925
130.li	64	162	6735	64	114	9587
132.ijpeg	64	710	1946	64	164	8406
134.perl	64	146	7498	64	90	12121
147.vortex	64	200	7789	64	138	11288
SPECint_rate_base95 (G. Mean)			5628			
			SPECint_rate95 (G. Mean)			9309

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 Subsytem:
GP-D1RKS1 was striped across 5 Logical Units (LUs) with 64KB stripe size by VolumeManager.
One LU consists of 5 x 9GB 10,000rpm disks, configured as RAID-0 with 64KB stripe size.
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