SPEC CFP95rate Results

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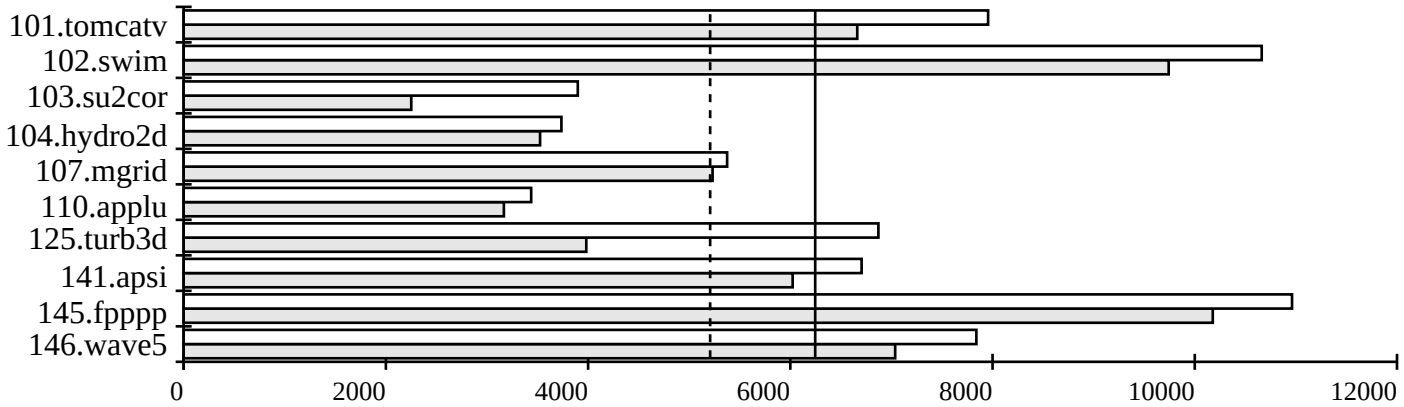
Compaq Computer Corporation
AlphaServer HPC160 Model 6/500

SPECfp_rate95 = 6246

SPECfp_rate_base95 = 5207

SPEC license # 2	Tested By: Compaq	Test Date: Aug-99	Hardware Avail: Aug-99	Software Avail: Apr-99



Hardware/Software Configuration for:
AlphaServer HPC160 Model 6/500

Hardware

Model Name:	AlphaServer HPC160 Model 6/500
CPU:	500 MHz 21264
FPU:	Integrated
Number of CPU(s):	16 (4 nodes, 4 cpus per node)
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	4MB
Other Cache:	none
Memory:	8GB (2GB per node)
Disk Subsystem:	24x18GB
Other Hardware:	Ethernet,1 HSZ70/KZPBA Controller Memory Channel

Software

Operating System:	Compaq Tru64 UNIX V4.0F
Compiler:	Fortran V5.2 KAP Fortran V4.1
File System:	UFS
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	16	80.0	6662	16	67	7956
102.swim	16	127	9742	16	116	10662
103.su2cor	16	89.5	2251	16	52	3898
104.hydro2d	16	98.0	3525	16	92	3736
107.mgrid	16	68.8	5231	16	67	5375
110.applu	16	100	3167	16	92	3437
125.turb3d	16	148	3982	16	86	6871
141.apsi	16	50.2	6023	16	45	6705
145.fpppp	16	136	10178	16	126	10962
146.wave5	16	61.4	7037	16	55	7840
SPECfp_rate_base95 (G. Mean)			5207			
SPECfp_rate95 (G. Mean)						6246

Notes/Tuning Information

```
base:    kf77 -arch ev6 -O5 -transform_loops -fkapargs='-ur=1'
tomcatv: kf90 -arch ev6 -O5 -inline none
.        -fkapargs='-fuselevel=2 -ur=9 -ur2=460 -ur3=30 '
swim:    kf77 -arch ev6 -O5 -fkapargs='-ag=a -fuselevel=2 -ur=1'
su2cor:  kf90 -arch ev6 -O3 -transform_loops -automatic
.        -fkapargs=' -ag=abfg -r=0 -nointerleave -ur2=260 '
hydro2d: kf90 -arch ev6 -O5 -fkapargs='-fuselevel=2 -ur2=860'
mgrid:   kf77 -arch ev6 -O5 -speculate all -fkapargs='-fuselevel=2 -ur=1'
applu:   kf90 -arch ev6 -transform_loops -automatic -fkapargs=' -r=2 -o=0 -ur2=60 '
turb3d:  kf90 -arch ev6 -O5 -speculate all -automatic
.        -fkapargs=' -ag=a -o=1 -ur2=760 -ur3=100 '
apsi:    kf90 -arch ev6 -O2 -pipeline -automatic
.        -fkapargs=' -fuselevel=2 -ur=8 -ur2=60 '
fpppp:   kf90 -arch ev6 -O2 -transform_loops -fkapargs='-so=0 -o=0'
wave5:   kf90 -arch ev6 -O5 -transform_loops -unroll 15
.        -fkapargs='-r=1 -o=2 -ur2=260 -ur3=30'
remote runs: submit00n=rsh sysname "cd %dir%; %command% && exit 0"
```

For More Information Contact:
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-- Prepared By: --