



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
HP 9000 Model A500

SPECfp_rate2000 = 7.59
SPECfp_rate_base2000 = 7.29

SPEC license #: 3 Tested by: HP Richardson, TX Test date: Oct-2000 Hardware Avail: Nov-2001 Software Avail: Jan-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	482	7.70	2	379	9.79
171.swim	2	864	8.33	2	865	8.32
172.mgrid	2	560	7.46	2	560	7.46
173.applu	2	666	7.31	2	666	7.31
177.mesa	2	472	6.89	2	472	6.89
178.galgel	2	716	9.40	2	697	9.65
179.art	2	1024	5.89	2	1121	5.38
183.quake	2	474	6.36	2	411	7.33
187.facerec	2	759	5.81	2	731	6.03
188.amp	2	628	8.13	2	581	8.78
189.lucas	2	664	6.99	2	658	7.05
191.fma3d	2	778	6.26	2	778	6.26
200.sixtrack	2	389	6.56	2	349	7.31
301.apsi	2	580	10.4	2	572	10.5

Hardware

CPU: 550 MHz PA-8600
 CPU MHz: 550
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 1-2
 Parallel: --
 Primary Cache: 512KBI+1MBD (on chip)
 Secondary Cache: none
 L3 Cache: none
 Other Cache: None
 Memory: 8GB
 Disk Subsystem: 2x18 GB 10000RPM
 Other Hardware: --

Software

Operating System: HP-UX B.11.0
 Compiler: HP92453-01 A.11.01.20 HP C Compiler
 HP-UX f90 20000928 (181730) B.11.01.25
 HP-UX f90 20001003 (213450) PHSS_22539 B.11.01.25
 HP MLib Math Library B.07.00
 File System: HP-UX VxFS
 System State: Multi-user

Notes/Tuning Information

Portability flags:

cc: -Ae
 178.galgel: +source=fixed
 188.amp: -DSPEC_CPU2000

Base flags:

f90: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
 cc: +Oall +Odataprefetch -Wl,-a,archive +I/+P

Peak flags:

Peak flags = base flags for 172.mgrid, 173.applu, 177.mesa and 191.fma3d
 168.wupwise: +O3 +Onofltacc +cat -Wl,+FPD -Wl,-a,archive
 171.swim: +O3 +Onolimit +Oinlinebudget=1000 -Wl,+FPD -Wl,-a,archive
 172.mgrid: basepeak
 173.applu: basepeak
 177.mesa: basepeak
 178.galgel: +Oall +fastallocatable -Wl,+FPD -Wl,-a,archive -llapack



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
HP 9000 Model A500

SPECfp_rate2000 = 7.59

SPECfp_rate_base2000 = 7.29

SPEC license #: 3 | Tested by: HP Richardson, TX | Test date: Oct-2000 | Hardware Avail: Nov-2001 | Software Avail: Jan-2001

Notes/Tuning Information (Continued)

RM_SOURCES = lapak.f90

179.art: +Oall +Odataprefetch +Onofltacc +Optrs_strongly_typed
-Wl,+FPD -Wl,-a,archive +I/+P

183.quake: +Oall +Odataprefetch +Optrs_strongly_typed -Wl,+FPD -Wl,-a,archive

187.facerec: +O2 +Ofastaccess +fastallocatable -Wl,+FPD -Wl,-a,archive
-Wl,/opt/langtools/lib/fastmem.o

188.amp: +Oall +Odataprefetch +Optrs_strongly_typed -Wl,+FPD
-Wl,-a,archive +I/+P

189.lucas: +O3 +Onoinline -Wl,+FPD -Wl,-a,archive

191.fma3d: basepeak

200.sixtrack: +O3 +Onoinline +Onolimit +Onolibcalls +Onodataprefetch -Wl,+FPD
-Wl,-a,archive -Wl,/opt/langtools/lib/fastmem.o

301.apsi: +O3 +Onodataprefetch +Onofltacc -Wl,+FPD -Wl,-a,archive

Kernel tunables:

vps_pagesize=4096, vps_ceiling=16384, maxdsiz=0X04000000, maxssiz=0X10000000

2nd processor disabled at boot - co cpu 1 off

Event Monitoring System disabled.