



CFP2000 Result

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Hewlett-Packard Company
hp workstation c3750

SPECfp2000 = 674

SPECfp_base2000 = 600

SPEC license #: 3 Tested by: HP Test date: Sep-2002 Hardware Avail: Nov-2002 Software Avail: Aug-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	359	446	220	727	
171.swim	3100	333	931	333	931	
172.mgrid	1800	290	621	290	621	
173.applu	2100	299	702	299	702	
177.mesa	1400	202	694	202	692	
178.galgel	2900	181	1603	181	1603	
179.art	2600	388	670	230	1132	
183.quake	1300	315	413	238	547	
187.facerec	1900	442	430	426	446	
188.amp	2200	398	553	347	634	
189.lucas	2000	447	448	431	465	
191.fma3d	2100	519	404	515	408	
200.sixtrack	1100	233	471	207	532	
301.apsi	2600	374	696	374	696	

Hardware

CPU: PA-8700+
CPU MHz: 875
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 0.75MB(I) + 1.5MB(D) on chip
Secondary Cache: None
L3 Cache: None
Other Cache: None
Memory: 3GB (4x256MB, 4x512MB DIMMs total)
Disk Subsystem: 1x18,1x36 GB SCSI
Other Hardware: None

Software

Operating System: HP-UX 11i TCOE B.11.11.0206.5
Compiler: HP ANSI C 11.11.04 (Dec 2001 bundle)
HP aC++ Compiler C.03.33.01 (Dec 2001 bundle)
Fortran90 11.11.47 (patch PHSS_25772)
PHSS_24207 libm patch
File System: VxFS
System State: Multi-user

Notes/Tuning Information

Portability flags:
178.galgel: +source=fixed

Baseline compile flags:
fortran: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
C : +I/+P +O4 +Odataprefetch -Wl,-a,archive

Peak compile flags:
168.wupwise: (ONESTEP) +cat +O3 +Odataprefetch +Onofltacc
-Wl,+FPD -Wl,-a,archive
171.swim: basepeak=true
172.mgrid: basepeak=true
173.applu: basepeak=true
177.mesa: +I/+P +Oall +Odataprefetch +Opromote_indirect_calls
-Wl,+FPD -Wl,-a,archive
178.galgel: basepeak=true



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Notes/Tuning Information (Continued)

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179.art: +I/+P +Oall +Onodataprefetch +Onofltacc +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
183.quake: +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
187.facerec: (ONESTEP) +cat +O3 +Ofastaccess -Wl,+FPD -Wl,-a,archive
188.ammp: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
189.lucas: +O3 +Onoinline -Wl,+FPD -Wl,-a,archive
191.fma3d: +O3 +Onolimit -Wl,+FPD -Wl,-a,archive
200.sixtrack: (ONESTEP) +cat +O3 +Onolibcalls +Onolimit +Onoinline
        +Onodataprefetch -Wl,+FPD -Wl,-a,archive
301.apsi: basepeak=true

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Operating system configuration notes:

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vps_pagesize 4096, vps_ceiling 16384
dbc_min_pct=20, dbc_max_pct=20
maxssiz=0x10000000

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