



CFP2000 Result

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Hewlett-Packard Company
hp workstation i2000

SPECfp2000 = 577
SPECfp_base2000 = 494

SPEC license #: 3 Tested by: HP Richardson Test date: Aug-2001 Hardware Avail: Jun-2001 Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	Bar Chart (Scale: 300, 600, 900, 1200)			
168.wupwise	1600	515	311	359	445	[Bar chart showing runtime and ratio for 168.wupwise]			
171.swim	3100	298	1040	290	1068	[Bar chart showing runtime and ratio for 171.swim]			
172.mgrid	1800	213	845	213	845	[Bar chart showing runtime and ratio for 172.mgrid]			
173.applu	2100	398	528	398	528	[Bar chart showing runtime and ratio for 173.applu]			
177.mesa	1400	405	346	400	350	[Bar chart showing runtime and ratio for 177.mesa]			
178.galgel	2900	254	1143	246	1181	[Bar chart showing runtime and ratio for 178.galgel]			
179.art	2600	330	787	308	843	[Bar chart showing runtime and ratio for 179.art]			
183.quake	1300	420	310	242	538	[Bar chart showing runtime and ratio for 183.quake]			
187.facerec	1900	399	476	399	476	[Bar chart showing runtime and ratio for 187.facerec]			
188.amp	2200	871	253	529	416	[Bar chart showing runtime and ratio for 188.amp]			
189.lucas	2000	245	815	201	995	[Bar chart showing runtime and ratio for 189.lucas]			
191.fma3d	2100	1015	207	799	263	[Bar chart showing runtime and ratio for 191.fma3d]			
200.sixtrack	1100	194	568	194	568	[Bar chart showing runtime and ratio for 200.sixtrack]			
301.apsi	2600	798	326	677	384	[Bar chart showing runtime and ratio for 301.apsi]			

Hardware

CPU: Intel Itanium
CPU MHz: 733
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: no
Primary Cache: 16KBI + 16KBD (on die)
Secondary Cache: 96KB (on die)
L3 Cache: 4MB (off die, on CPU package)
Other Cache: None
Memory: 4GB (16 * 256MB DIMMS)
Disk Subsystem: 1x36 GB SCSI
Other Hardware: None

Software

Operating System: HP-UX 11.20
Compiler: HP C/ANSI B.11.20
HP Fortran 90 B.11.20
PHSS_24461 - LIBCL general patch
PHSS_24463 - Aries cumulative patch
PHSS_24464 - Assembler cumulative patch
PHSS_24465 - SIN cumulative library Patch
PHSS_24466 - SIN product patch
PHSS_24467 - u2comp product patch
PHSS_24468 - libm cumulative patch
PHSS_24469 - aCC library patch
PHSS_24470 - aCC product patch
PHSS_24471 - C dev cumulative patch
PHSS_24472 - C-TOOLS cumulative patch
PHSS_24486 - Fortran Product Patch
PHSS_24513 - linker cumulative patch
PHSS_24648 - unwind cumulative patch

File System: VxFS
System State: Multi-user

Notes/Tuning Information

Portability Flags:
178.galgel: +source=fixed
Base Flags:
f90 : +I/+P +Ofast +O3
C : +I/+P +Ofaster +Onorecovery -exec
Peak Flags:
168.wupwise : +cat +Ofast +Onoptrs_to_globals +O3 +Oinlinebudget=10000
ONESTEP = true
171.swim : +Ofast +Onoptrs_to_globals +O3
172.mgrid : basepeak=true
173.applu : basepeak=true
177.mesa : +I/+P +Ofaster +Onorecovery +Onoptrs_to_globals
+Otype_safety=strong -exec LIBS = -Bprotected
178.galgel : +Ofast +Onoptrs_to_globals +O3 +Oloopblock
179.art : +I/+P +Ofaster +Onorecovery +Onoptrs_to_globals



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Notes/Tuning Information (Continued)

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+Otype_safety=strong -exec
LIBS = -Bprotected_data /opt/langtools/lib/hpux32/effmem.o
183.equake : +I/+P +Ofaster +Onorecovery +Onoptrs_to_globals
           +Otype_safety=strong -exec
           LIBS = -Bprotected /opt/langtools/lib/hpux32/effmem.o
187.facerec : basepeak=true
188.ampp    : +I/+P +Ofaster +Onorecovery +Onoptrs_to_globals
           +Otype_safety=strong -exec
           LIBS = -Bprotected
189.lucas   : +Ofast +Onoptrs_to_globals +O3 +Oinlinebudget=100
191.fma3d   : +Ofast +Onoptrs_to_globals +O3
200.sixtrack : basepeak=true
301.apsi    : +Ofast +Onoptrs_to_globals +O3
Kernel Tunables:
maxdsiz      0x7b03a000
maxdsiz_64bit 0x4000000000
maxssiz      0x100000000
maxssiz_64bit 0x400000000
vps_ceiling   16384
vps_pagesize  4096
swapmem_on    0
dbc_max_pct   20
dbc_min_pct   20

```