



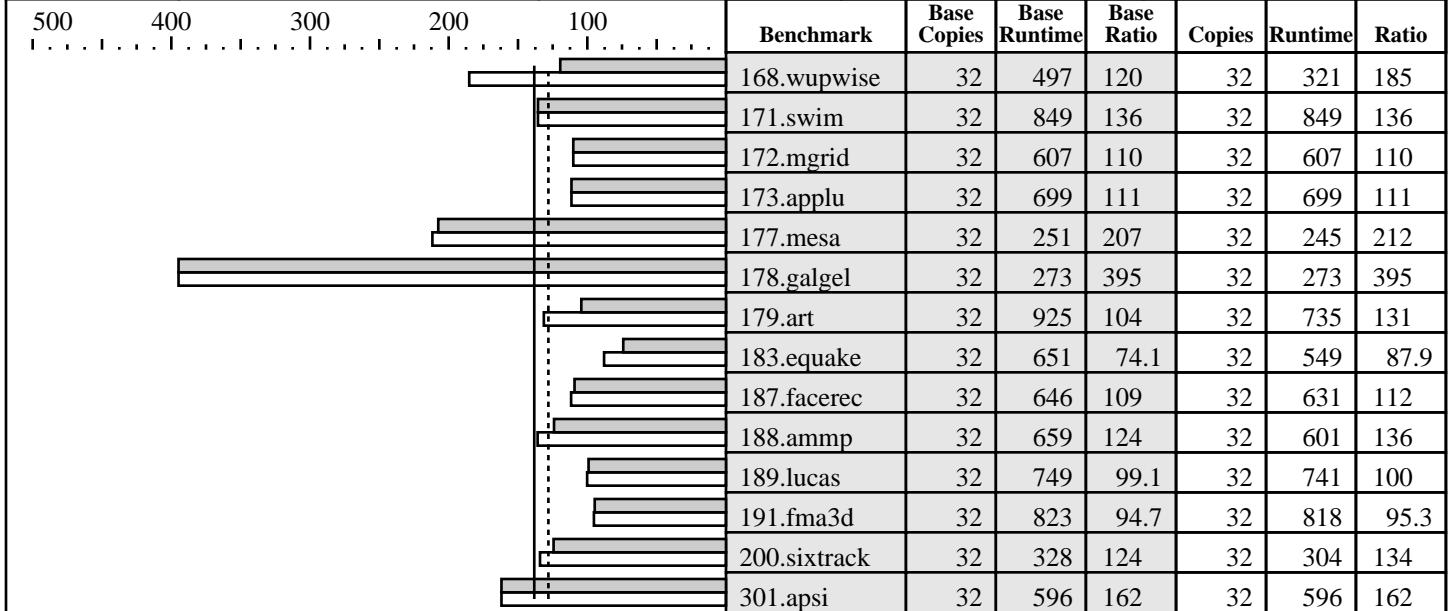
CFP2000 Result

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Hewlett-Packard Company
HP Superdome 32-way (750MHz PA-8700)

SPECfp_rate2000 = 138
SPECfp_rate_base2000 = 128

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



Hardware

CPU: PA-8700
CPU MHz: 750
FPU: Integrated
CPU(s) enabled: 32 cores, 32 chips, 1 core/chip
CPU(s) orderable: 4-32
Parallel: No
Primary Cache: 0.75MBI + 1.5MBD on chip
Secondary Cache: none
L3 Cache: none
Other Cache: none
Memory: 128GB
Disk Subsystem: 5x9GB Fiberchannel (striped)
1x9GB SCSI disk (root), 14x9GB FC disks (swap)
Other Hardware: 8 cells

Software

Operating System: B.11.11.0109.6 HP-UX 11i, September 2001 HWE patches
Compiler: HP ANSI C 11.11.03
aC++ C.03.30.02
Fortran90 11.11.40
PHSS_24207 libm patch
File System: HFS
System State: Multi-user

Notes/Tuning Information

Portability Flags:

178.galgel: +source=fixed

Base Flags:

f90: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
C: +I/+P +O4 +Odataprefetch -Wl,-a,archive

Peak Flags:

168.wupwise: +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



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Notes/Tuning Information (Continued)

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-Wl,+FPD -Wl,-a,archive
178.galgel: basepeak=true
179.art: +I/+P +Oall +Odataprefetch +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: +cat +O3 +Ofastaccess
-Wl,+FPD -Wl,-a,archive
188.amm: +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: +cat +O3 +Onolibcalls +Onolimit +Onoinline
+Odataprefetch
-Wl,+FPD -Wl,-a,archive
301.apsi: basepeak=true
ONESTEP=true for 168.wupwise, 187.facerec, 200.sixtrack

System tunables:
vps_pagesize 4096, vps_ceiling 16384
dbc_min_pct 20, dbc_max_pct 20
maxdsiz 0x7b03a000, maxssiz 256000000
boot time firmware tunable DataPrefetch enabled (default)

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