



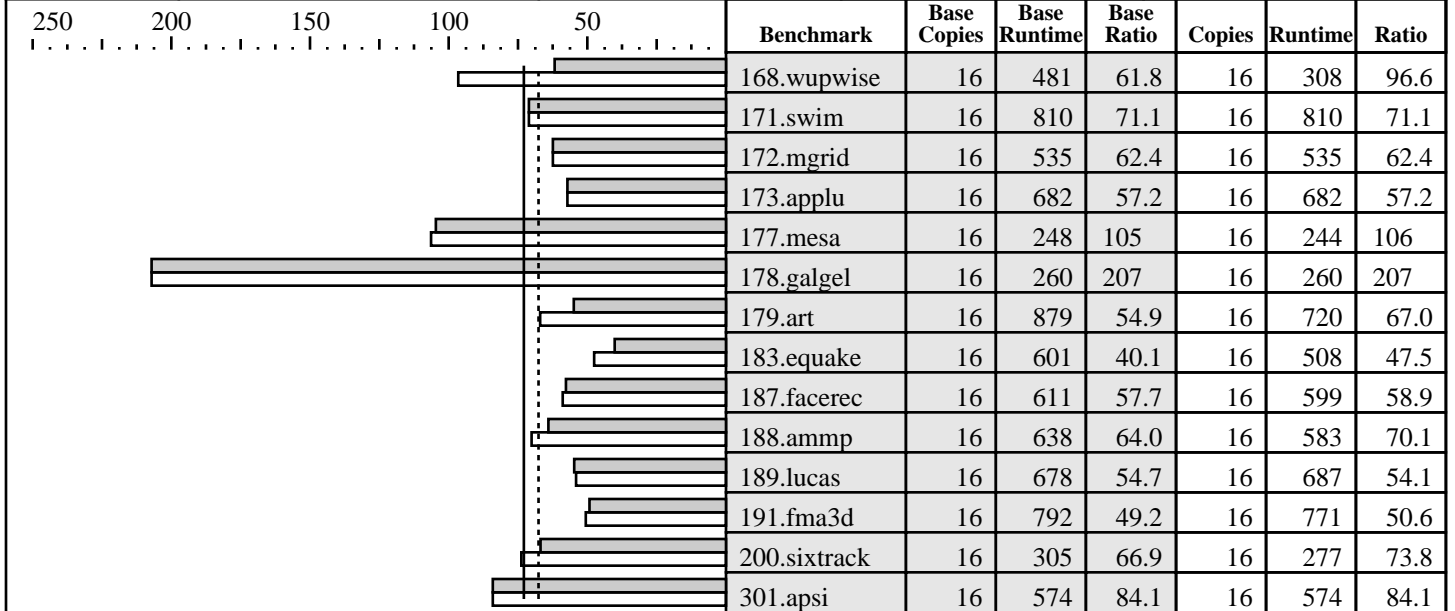
CFP2000 Result

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Hewlett-Packard Company
HP Superdome 16-way (750MHz PA-8700)

SPECfp_rate2000 = 72.9
SPECfp_rate_base2000 = 67.6

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: 16 cores, 16 chips, 1 core/chip
 CPU(s) orderable: 2-16
 Parallel: No
 Primary Cache: 0.75MBI + 1.5MBD on chip
 Secondary Cache: none
 L3 Cache: none
 Other Cache: none
 Memory: 64GB
 Disk Subsystem: 5x9GB Fiberchannel (striped)
 1x9GB SCSI disk (root), 4x9GB FC disks (swap)
 Other Hardware: 4 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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