



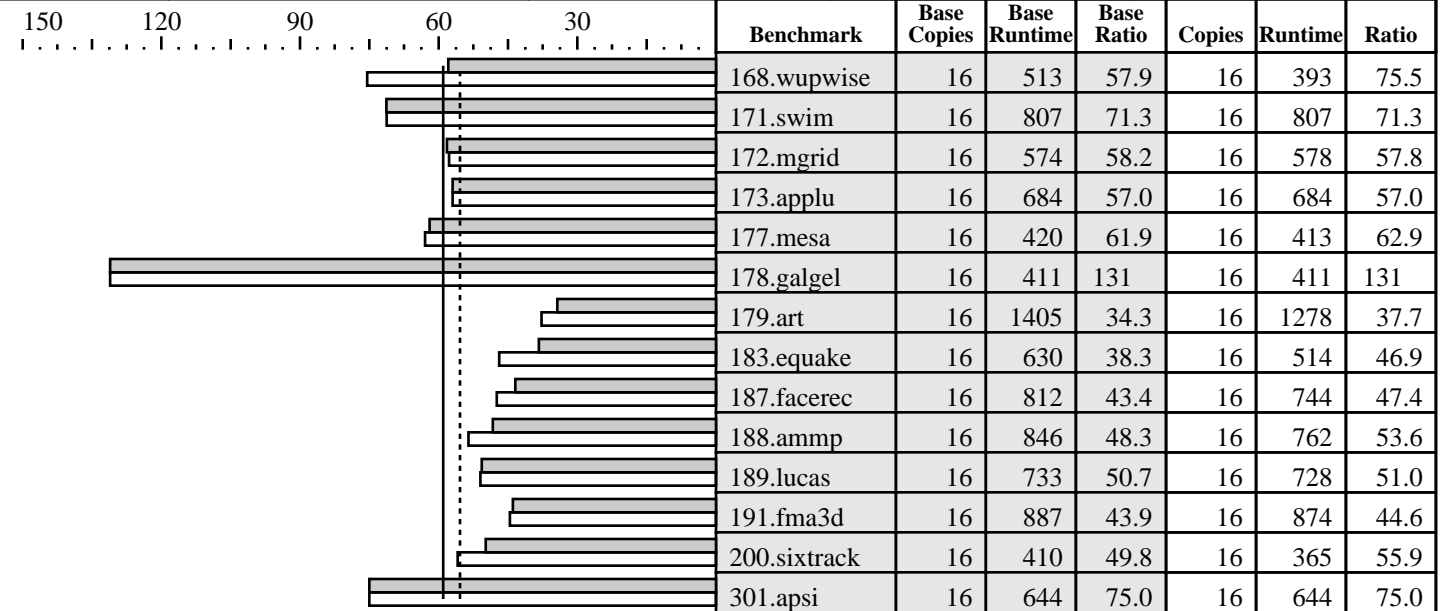
CFP2000 Result

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Hewlett-Packard Company
HP9000 Superdome 16-way (552MHz PA-8600)

SPECfp_rate2000 = 59.0
SPECfp_rate_base2000 = 55.4

SPEC license #: 3 | Tested by: HP Richardson, TX | Test date: Mar-2001 | Hardware Avail: May-2001 | Software Avail: Jul-2001



Hardware

CPU: PA-8600
CPU MHz: 552
FPU: Integrated
CPU(s) enabled: 16 cores, 16 chips, 1 core/chip
CPU(s) orderable: 2-16
Parallel: No
Primary Cache: 0.5MBI + 1.0MBD on chip
Secondary Cache: none
L3 Cache: N/A
Other Cache: N/A
Memory: 64GB
Disk Subsystem: 5x9GB Fiberchannel (striped)
1x9GB SCSI disk (root), 5x9GB FC disks (swap)
Other Hardware: 4 cells, 500MHz CEC

Software

Operating System: HP-UX 11i Technical Computing OE
Compiler: HP ANSI C 11.11.02
Fortran90 11.01.40
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:

all: -Wl,+FPD -Wl,-a,archive
168.wupwise: +cat +O3 +Odataprefetch +Onofltacc
171.swim: +O3 +Onolimit +Oinline_budget=1000
172.mgrid: +O3 +Ocache_pad_common +Oloop_unroll=6
+Oinline_budget=10
173.applu: basepeak=true



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Notes/Tuning Information (Continued)

```
177.mesa: +I/+P +Oall +Odataprefetch +Opromote_indirect_calls
178.galgel: +O3 +Oloop_unroll=2
179.art: +I/+P +Oall +Onodataprefetch +Onofltacc
+Optrs_strongly_typed +Opromote_indirect_calls
183.quake: +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
+Opromote_indirect_calls
187.facerec: +cat +O3 +Ofastaccess
188.ampp: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed
+Opromote_indirect_calls
189.lucas: +O3 +Onoinline
191.fma3d: +O3 +Onolimit
200.sixtrack: +cat +O3 +Onolibcalls +Onolimit +Onoinline
+Onodataprefetch
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
DataPrefetch enabled (boot time firmware tunable)
```