



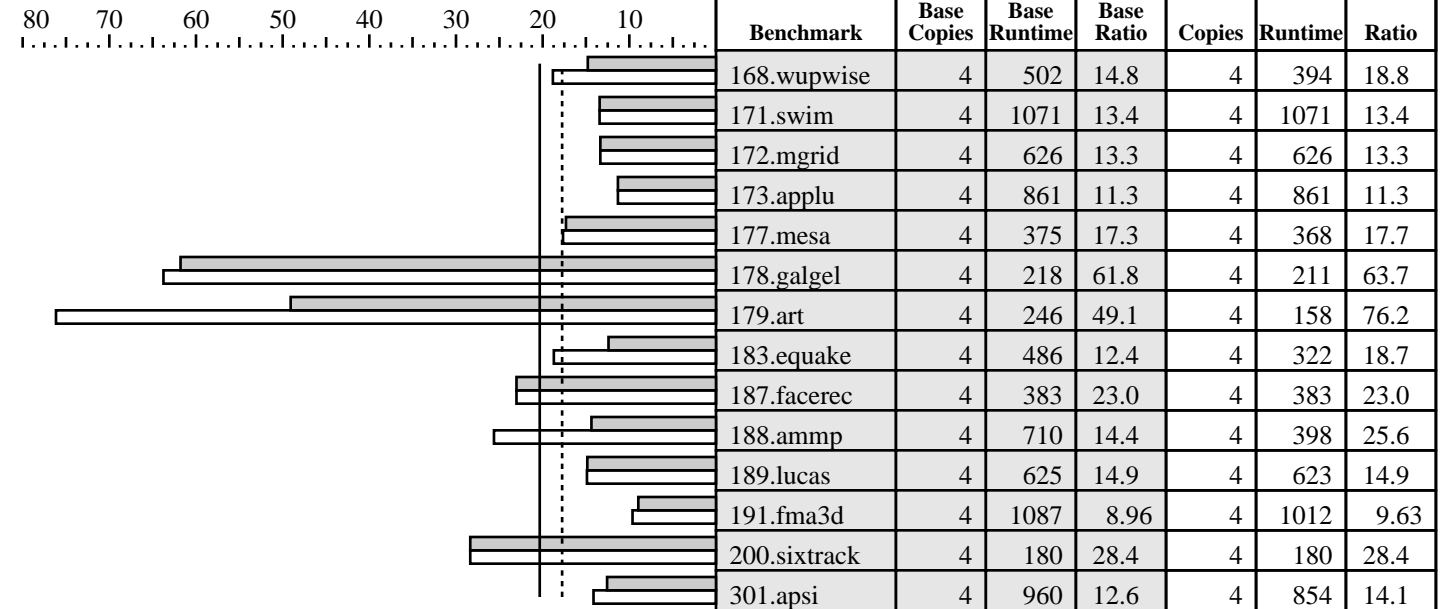
CFP2000 Result

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Hewlett-Packard Company
hp server rx4610

SPECfp_rate2000 = 20.3
SPECfp_rate_base2000 = 17.7

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



Hardware

CPU: Intel Itanium
 CPU MHz: 800
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
 CPU(s) orderable: 2-4
 Parallel: no
 Primary Cache: 16KBI + 16KBD
 Secondary Cache: 96KB
 L3 Cache: 4MB (on CPU cartridge)
 Other Cache: None
 Memory: 8GB
 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 (all use the following except where noted below):
 f90 and f77 : +Ofast +Onoptrs_to_globals +O3
 C : +I/+P +Ofaster +Onorecovery +Onoptrs_to_globals
 +Otype_safety=strong -exec

all : LIBS =
 168.wupwise : +cat +Ofast +Onoptrs_to_globals +O3 +Oinlinebudget=10000
 ONESTEP = true
 177.mesa : LIBS = -Bprotected
 178.galgel : +Ofast +Onoptrs_to_globals +O3 +Oloopblock
 179.art : LIBS = -Bprotected_data /opt/langtools/lib/hpux32/effmem.o



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Notes/Tuning Information (Continued)

```
183.equake : LIBS = -Bprotected /opt/langtools/lib/hpux32/effmem.o
188.ammmp  : LIBS = -Bprotected
189.lucas  : +Ofast +Onoptrs_to_globals +O3 +Oinlinebudget=100
```

Kernel Tunables:

```
maxdsiz      0x7b03a000
maxdsiz_64bit 0x4000000000
maxssiz      0x10000000
maxssiz_64bit 0x400000000
vps_ceiling  16384
vps_pagesize 4096
swapmem_on   0
dbc_max_pct  20
dbc_min_pct  20
```