



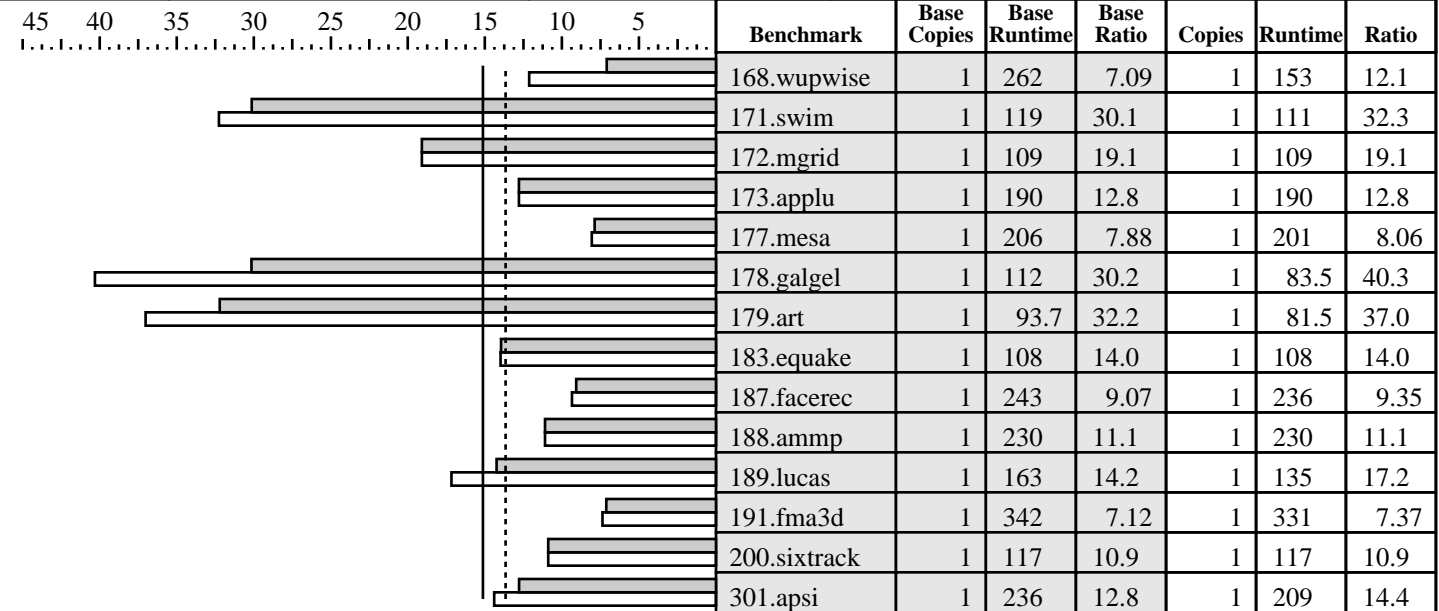
CFP2000 Result

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Hewlett-Packard Company
hp server rx5670 (1000 MHz, Itanium 2)

SPECfp_rate2000 = 15.1
SPECfp_rate_base2000 = 13.7

SPEC license #: 3 Tested by: HP Richardson Test date: Jul-2002 Hardware Avail: Sep-2002 Software Avail: Oct-2002



Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1-4
 Parallel: no
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 3.0MB (on chip) per CPU
 Other Cache: N/A
 Memory: 12GB
 Disk Subsystem: 1x9GB SCSI disk (root + swap)
 1x9GB SCSI disk (swap)
 Other Hardware: N/A

Software

Operating System: HPUX11i-TCOE B.11.22
 Compiler: HP C/ANSI C Compiler B.11.22
 HP Fortran 90 Compiler B.11.22
 HP MLIB B.11.22

 PHSS_27281: f90 product
 PHSS_27286: C product
 PHSS_27287: U2comp
 PHSS_27288: Linker
 PHSS_27291: PBO
 PHSS_27293: milli.a
 Caliper v2.1 www.hp.com/go/caliper

 File System: VxFS
 System State: Multi-user

Notes/Tuning Information

C compiler invoked as:
/opt/ansic/bin/cc -AOe

Portability Flags:
178.galgel: +source=fixed

Base Flags:
 All : +Oprofile=collect/+Oprofile=use
 f90 : +Ofast +O3 -minshared
 C : +Ofaster +Onorecovery -exec
 Note : By default, f90 links in MLIB libraries if installed

Peak Flags (all use the following except where noted below):



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Notes/Tuning Information (Continued)

```
All      : LIBS =
f77/f90  : +Ofast +Onoptrs_to_globals -minshared +O3
C        : +Oprofile=collect/+Oprofile=use +Ofaster +Onorecovery
          +Onoptrs_to_globals +Otype_safety=strong -exec -Wl,-aarchive_shared
```

```
168.wupwise : +Ofast +O3 +cat +Onoptrs_to_globals -minshared
              ONESTEP = 1
```

```
172.mgrid  : basepeak=true
```

```
173.applu  : basepeak=true
```

```
177.mesa   : LIBS = -Bprotected
```

```
178.galgel : +Ofast +Onoptrs_to_globals -minshared +O3
              RM_SOURCES = lapak.f90
              LIBS = -llapack
```

```
179.art    : LIBS = -Bprotected_data /opt/langtools/lib/hpux32/effmem.o
```

```
183.equake : LIBS = -Bprotected /opt/langtools/lib/hpux32/effmem.o
```

```
188.ampp   : basepeak=true
```

```
189.lucas  : +Ofast +Onoptrs_to_globals -minshared +O3 +Oinlinebudget=100
```

```
200.sixtrack : basepeak=true
```

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
```

Note:

EFI shell utility 'cpuconfig' used
to deconfigure other processors