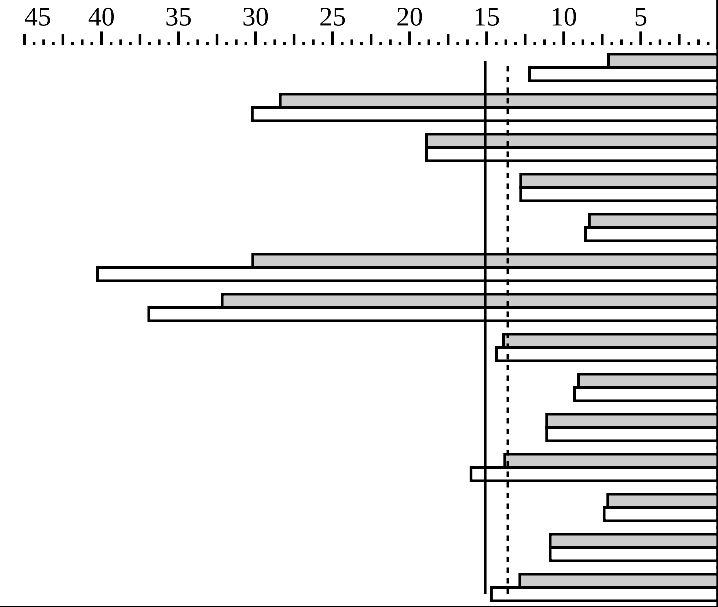
CFP2000 Result

Hewlett-Packard Company
hp server rx2600 (1000 MHz, Itanium 2)

SPECfp_rate2000 = 15.1

SPECfp_rate_base2000 = 13.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	262	7.09	1	152	12.2
171.swim	1	127	28.4	1	119	30.2
172.mgrid	1	110	18.9	1	110	18.9
173.applu	1	191	12.8	1	191	12.8
177.mesa	1	195	8.33	1	189	8.58
178.galgel	1	111	30.2	1	83.6	40.3
179.art	1	93.8	32.2	1	81.7	36.9
183.equake	1	108	13.9	1	105	14.4
187.facerec	1	244	9.03	1	237	9.30
188.ammp	1	230	11.1	1	230	11.1
189.lucas	1	168	13.8	1	145	16.0
191.fma3d	1	341	7.14	1	330	7.37
200.sixtrack	1	117	10.9	1	117	10.9
301.apsi	1	235	12.8	1	205	14.7

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
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:	6GB
Disk Subsystem:	1x36GB SCSI disk (root + 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.ammp     : 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   0x40000000
     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
```