CFP2000 Result

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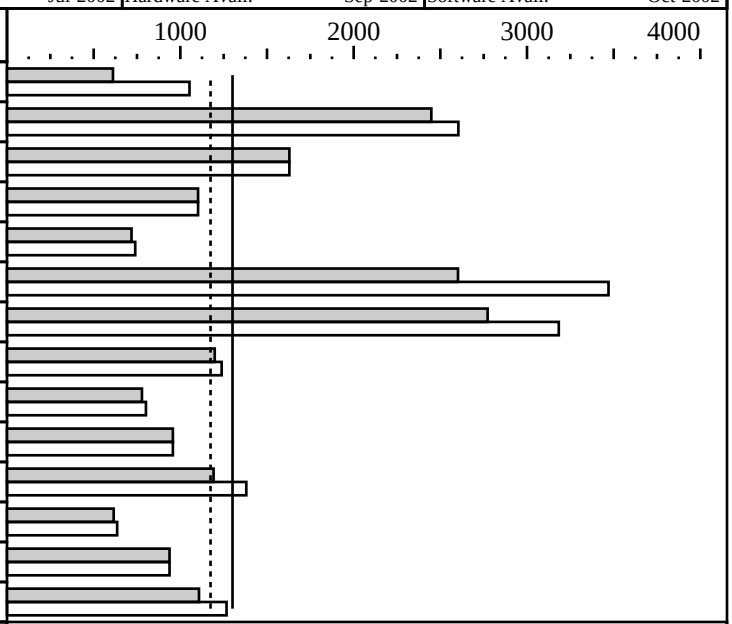
Hewlett-Packard Company
hp server rx2600 (1000 MHz, Itanium 2)

SPECfp2000 = 1301

SPECfp_base2000 = 1174

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	262	611	152	1053
171.swim	3100	127	2448	119	2604
172.mgrid	1800	110	1629	110	1629
173.applu	2100	191	1102	191	1102
177.mesa	1400	195	718	189	740
178.galgel	2900	111	2602	83.6	3470
179.art	2600	93.8	2773	81.7	3183
183.equake	1300	108	1198	105	1238
187.facerec	1900	244	779	237	802
188.ammp	2200	230	957	230	957
189.lucas	2000	168	1192	145	1381
191.fma3d	2100	341	616	330	636
200.sixtrack	1100	117	938	117	938
301.apsi	2600	235	1108	205	1267



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

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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
```