CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

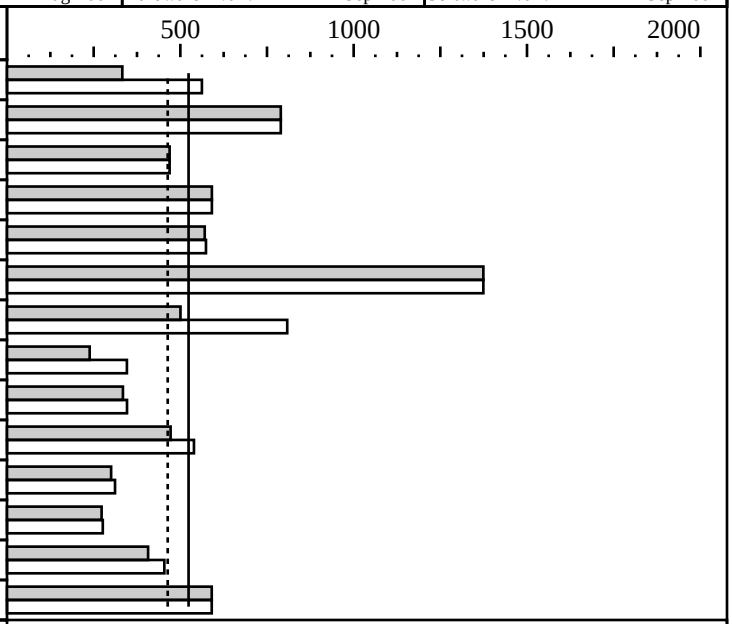
Hewlett-Packard Company
hp server rp7400

SPECfp2000 = 524

SPECfp_base2000 = 464

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	481	333	285	562
171.swim	3100	393	790	393	790
172.mgrid	1800	384	469	384	469
173.applu	2100	355	591	355	591
177.mesa	1400	245	570	244	574
178.galgel	2900	211	1374	211	1374
179.art	2600	520	500	322	808
183.equake	1300	545	239	376	346
187.facerec	1900	568	334	549	346
188.ammp	2200	466	472	408	539
189.lucas	2000	666	300	642	312
191.fma3d	2100	770	273	760	276
200.sixtrack	1100	270	407	242	454
301.apsi	2600	440	591	440	591



Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-8
Parallel:	No
Primary Cache:	0.75MBI + 1.5MBD on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	16GB
Disk Subsystem:	2x9GB SCSI disk
Other Hardware:	None

Software

Operating System:	B.11.11.0109.6 HP-UX 11i, September 2001 HWE patches
Compiler:	HP ANSI C 11.11.03 aC++ C.03.30.02 Fortran90 11.11.40 PHSS_24207 libm patch
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:

  168.wupwise: +cat +O3 +Odataprefetch +Onofltacc
               -Wl,+FPD -Wl,-a,archive
  171.swim:    basepeak=true
  172.mgrid:   basepeak=true
  173.applu:   basepeak=true
  177.mesa:    +I/+P +Oall +Odataprefetch +Opromote_indirect_calls
               -Wl,+FPD -Wl,-a,archive
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
    178.galgel:  basepeak=true
    179.art:     +I/+P +Oall +Onodataprefetch +Onofltacc
                 +Optrs_strongly_typed +Opromote_indirect_calls
                 -Wl,+FPD -Wl,-a,archive
    183.equake:  +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
                 +Opromote_indirect_calls
                 -Wl,+FPD -Wl,-a,archive
    187.facerec: +cat +O3 +Ofastaccess
                 -Wl,+FPD -Wl,-a,archive
    188.ammp:    +I/+P +Oall +Odataprefetch +Optrs_strongly_typed
                 +Opromote_indirect_calls
                 -Wl,+FPD -Wl,-a,archive
    189.lucas:   +O3 +Onoinline
                 -Wl,+FPD -Wl,-a,archive
    191.fma3d:   +O3 +Onolimit
                 -Wl,+FPD -Wl,-a,archive
    200.sixtrack: +cat +O3 +Onolibcalls +Onolimit +Onoinline
                  +Onodataprefetch
                 -Wl,+FPD -Wl,-a,archive
    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 2063835136, maxssiz 401604608
     Unused processors disabled at boot
```