CINT2000 Result

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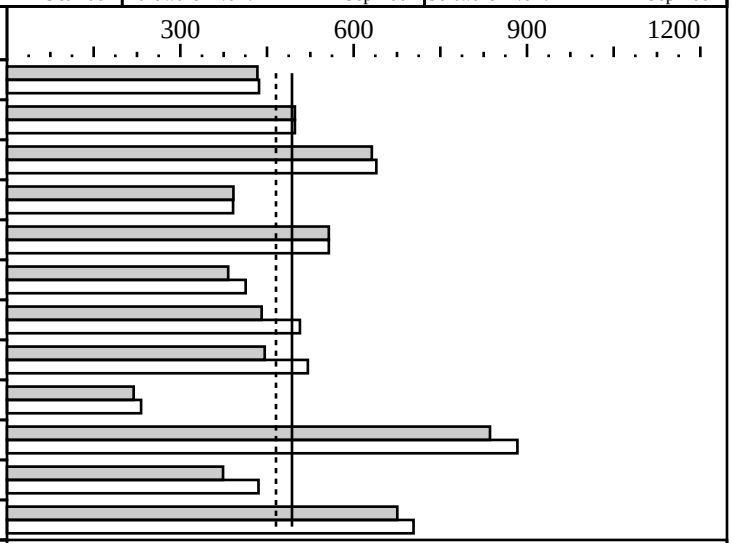
Hewlett-Packard Company
hp server rp7400

SPECint2000 = 493

SPECint_base2000 = 466

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	323	433	321	436
175.vpr	1400	281	498	281	498
176.gcc	1100	174	631	172	639
181.mcf	1800	459	392	460	391
186.crafty	1000	180	557	180	557
197.parser	1800	470	383	436	413
252.eon	1300	295	441	256	507
253.perlbmk	1800	404	446	346	521
254.gap	1100	502	219	474	232
255.vortex	1900	227	836	215	883
256.bzip2	1500	401	374	345	435
300.twolf	3000	444	676	426	704



Hardware

CPU:	PA-8700
CPU MHz:	650
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 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 PHSS_24207 libm patch
File System:	HFS
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags:
  176.gcc:   -DHOST_WORDS_BIG_ENDIAN
  186.crafty:  -DHP
  252.eon:  -DFMAX_IS_DOUBLE
  253.perlbmk: -DSPEC_CPU2000_HP
  254.gap:   -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
             -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO

Base Flags:
  C:   +Oall +I/+P +Ostatic_prediction -Wl,-aarchive
  C++: +O3 +I/+P +Ostatic_prediction -Wl,-aarchive

Peak Flags:

  164.gzip: +Oall +Optrs_strongly_typed +Oinline_budget=800
            +I/+P +Ostatic_prediction -Wl,-aarchive
  175.vpr:  basepeak=true
  176.gcc:  +Oall +ESlit +ESfic +Optrs_strongly_typed
            +I/+P +Ostatic_prediction -Wl,-aarchive
```

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Notes/Tuning Information (Continued)

```
    181.mcf:  +Oall +Owhole_program_mode +Opromote_indirect_calls
              +I/+P +Ostatic_prediction -Wl,-aarchive
    186.crafty: basepeak=true
    197.parser: +Oall +Odataprefetch +ESfic +Oinline_budget=400
                +Owhole_program_mode
                +I/+P +Ostatic_prediction -Wl,-aarchive
    252.eon: +noeh +O4 +Optrs_strongly_typed +Olibcalls +Oentrysched
             +A +ESfic
             +I/+P +Ostatic_prediction -Wl,-aarchive
    253.perlbmk: +Oall +ESlit +ESfic +Optrs_strongly_typed
             +Opromote_indirect_calls -Wl,/opt/langtools/lib/fastmem.o
             +I/+P +Ostatic_prediction -Wl,-aarchive
    254.gap: +Oall +ESlit +ESfic +Optrs_strongly_typed
             +Opromote_indirect_calls
             +I/+P +Ostatic_prediction -Wl,-aarchive
    255.vortex: +Oall +Oinline_budget=800 +Optrs_strongly_typed
                +I/+P +Ostatic_prediction -Wl,-aarchive
    256.bzip2: +Oall +Odataprefetch +Optrs_strongly_typed
               +Owhole_program_mode +Onoptrs_to_globals
               +Oinline_budget=80 +OEslit +OEsfic
               +I/+P +Ostatic_prediction -Wl,-aarchive
    300.twolf: +Oall +Optrs_strongly_typed
               +I/+P +Ostatic_prediction -Wl,-aarchive

  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
```