CINT2000 Result

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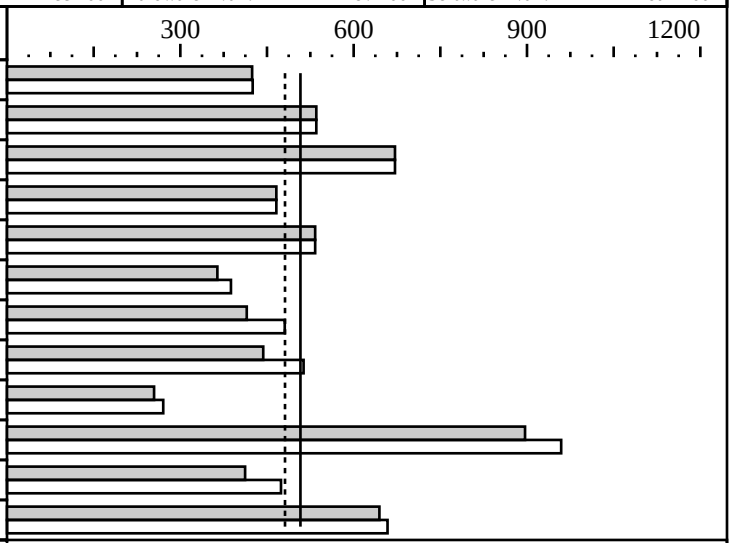
Hewlett-Packard Company
hp workstation c3650

SPECint2000 = 508

SPECint_base2000 = 481

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Dec-2001 | Hardware Avail: Nov-2001 | Software Avail: Jan-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	330	424	329	425
175.vpr	1400	262	535	262	535
176.gcc	1100	164	672	164	672
181.mcf	1800	386	466	386	466
186.crafty	1000	187	533	187	533
197.parser	1800	494	364	464	388
252.eon	1300	313	415	270	481
253.perlbmk	1800	406	443	351	513
254.gap	1100	432	255	407	270
255.vortex	1900	212	897	198	959
256.bzip2	1500	364	412	316	474
300.twolf	3000	465	645	456	659



Hardware

CPU:	PA-8700
CPU MHz:	625
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	2GB (4x512MB DIMMs)
Disk Subsystem:	1x18 GB SCSI
Other Hardware:	

Software

Operating System:	HP-UX 11i TCOE B.11.11.0109 PHKL_24779 LVM Cumulative Patch
Compiler:	HP ANSI C B11.11.04 aC++ C.03.33.01 PHSS_24207 libm patch
File System:	VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability:
  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

Baseline compile flags:
  C      : +I/+P +Oall +Ostatic_prediction -Wl,-a,archive
  C++    : +I/+P +O3 +Ostatic_prediction -Wl,-a,archive

Peak compile flags:
  164.gzip: +I/+P +Oall +Optrs_strongly_typed +Oinline_budget=800
            -Wl,-a,archive +Ostatic_prediction
  175.vpr: basepeak=true
  176.gcc: basepeak=true
  176.mcf: basepeak=true
  186.crafty: basepeak=true
```

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Notes/Tuning Information (Continued)

```
    176.parser: +I/+P +Oall +Odataprefetch +ESfic +Oinline_budget=400
                +Owhole_program_mode -Wl,-a,archive +Ostatic_prediction
    252.eon: +I/+P +noeh +O4 +Optrs_strongly_typed +Olibcalls +Oentrysched
             +A +ESfic -Wl,-a,archive +Ostatic_prediction
    253.perlbmk: +I/+P +Oall +ESlit +ESfic +Optrs_strongly_typed
                 +Opromote_indirect_calls -Wl,-a,archive +Ostatic_prediction
                 linked with /opt/langtools/lib/fastmem.o
    254.gap: +I/+P +Oall +ESlit +ESfic +Optrs_strongly_typed
             +Opromote_indirect_calls -Wl,-a,archive +Ostatic_prediction
    255.vortex: +I/+P +Oall +Oinline_budget=800 +Optrs_strongly_typed
                -Wl,-a,archive +Ostatic_prediction
    256.bzip2: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed +Owhole_program_mode
               +Onoptrs_to_globals +Oinline_budget=80 -Wl,-a,archive +Ostatic_prediction
    300.twolf: +I/+P +Oall +Optrs_strongly_typed -Wl,-a,archive +Ostatic_prediction

  Operating system configuration notes:

    vps_pagesize 4096, vps_ceiling 16384
    dbc_min_pct 15, dbc_max_pct 15
    maxdsiz 0x7b03a000, maxssiz 256000000
    nfile 8192
```