CINT2000 Result

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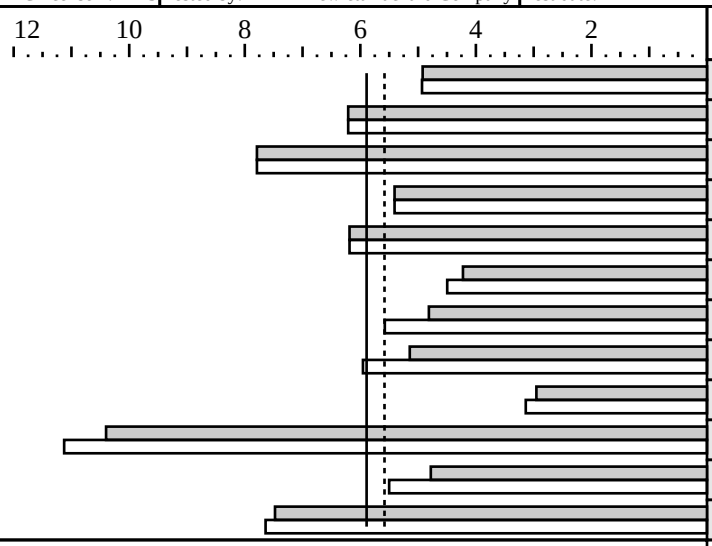
Hewlett-Packard Company
hp workstation c3650

SPECint_rate2000 = 5.89

SPECint_rate_base2000 = 5.58

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	330	4.92	1	329	4.93
175.vpr	1	262	6.21	1	262	6.21
176.gcc	1	164	7.79	1	164	7.79
181.mcf	1	386	5.41	1	386	5.41
186.crafty	1	187	6.19	1	187	6.19
197.parser	1	494	4.22	1	464	4.50
252.eon	1	313	4.81	1	270	5.58
253.perlbmk	1	406	5.14	1	351	5.95
254.gap	1	432	2.95	1	407	3.14
255.vortex	1	212	10.4	1	198	11.1
256.bzip2	1	364	4.78	1	316	5.50
300.twolf	1	465	7.48	1	456	7.64

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
```