



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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.zip	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.perlbnk	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.perlbnk: -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.zip: +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
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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

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.perlbnk: +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
```