



CINT2000 Result

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Hewlett-Packard Company
hp workstation c3750

SPECint2000 = 678
SPECint_base2000 = 642

SPEC license #: 3 Tested by: HP Test date: Sep-2002 Hardware Avail: Nov-2002 Software Avail: Aug-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	238	588	238	589	
175.vpr	1400	204	688	204	688	
176.gcc	1100	121	906	121	906	
181.mcf	1800	364	494	359	501	
186.crafty	1000	133	751	133	751	
197.parser	1800	364	495	342	526	
252.eon	1300	219	592	191	679	
253.perlbnk	1800	291	619	245	735	
254.gap	1100	324	339	306	359	
255.vortex	1900	159	1196	149	1277	
256.bzip2	1500	281	534	246	610	
300.twolf	3000	329	911	323	928	

Hardware

CPU: PA-8700+
CPU MHz: 875
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: 3GB (4x256MB,4x512MB DIMMs total)
Disk Subsystem: 1x18,1x36 GB SCSI
Other Hardware: None

Software

Operating System: HP-UX 11i TCOE B.11.11.0206.5
Compiler: HP ANSI C 11.11.04 (Dec 2001 bundle)
HP aC++ C.03.33.01 (Dec 2001 bundle)
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.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: +I/+P +Oall +Owhole_program_mode +Opromote_indirect_calls
        -Wl,-a,archive +Ostatic_prediction
```



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Notes/Tuning Information (Continued)

```
186.crafty: basepeak=true
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
             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=20, dbc_max_pct=20
maxssiz=0x10000000
```