



CINT2000 Result

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Hewlett-Packard Company
hp workstation b2600

SPECint2000 = 403
SPECint_base2000 = 380

SPEC license #: 3 Tested by: HP Test date: Mar-2001 Hardware Avail: Jun-2001 Software Avail: Jul-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	409	342	406	344	
175.vpr	1400	367	382	367	382	
176.gcc	1100	210	524	207	531	
181.mcf	1800	474	380	473	380	
186.crafty	1000	235	426	235	426	
197.parser	1800	547	329	513	351	
252.eon	1300	380	342	326	399	
253.perlbnk	1800	511	353	427	421	
254.gap	1100	527	209	497	221	
255.vortex	1900	267	712	251	757	
256.bzip2	1500	467	321	411	365	
300.twolf	3000	698	430	673	446	

Hardware

CPU: PA-8600
CPU MHz: 500
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 0.5MBI + 1.0MBD (on chip)
Secondary Cache: none
L3 Cache: none
Other Cache: none
Memory: 1GB
Disk Subsystem: 1 x 18 GB LVD
Other Hardware: --

Software

Operating System: HP-UX 11.0
Compiler: HP ANSI C 11.11.02
HP aC++ C.03.30.1
File System: HP-UX VxFS
System State: Multi-user

Notes/Tuning Information

```
Compiler invoked in extended ANSI mode: cc -Ae
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
```

Base Flags:

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

Peak flags same as base for 175.vpr, 186.crafty

Peak Flags:

```
All: +I/+P +Ostatic_prediction -Wl,-a,archive
164.gzip: +Oall +Optrs_strongly_typed +Oinline_budget=800
176.gcc: +Oall +ESlit +ESfic +Optrs_strongly_typed
181.mcf: +Oall +Owhole_program_mode +Opromote_indirect_calls
197.parser: +Oall +Odataprefetch +ESfic +Oinline_budget=400
        +Owhole_program_mode
252.eon: +noeh +O4 +Optrs_strongly_typed +Olibcalls
```



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Notes/Tuning Information (Continued)

```
+Oentrysched +A +ESfic
253.perlbnk: +Oall +ESlit +ESfic +Optrs_strongly_typed
             +Opromote_indirect_calls -Wl,/opt/langtools/lib/fastmem.o
254.gap: +Oall +ESlit +ESfic +Optrs_strongly_typed
          +Opromote_indirect_calls
255.vortex: +Oall +Oinline_budget=800 +Optrs_strongly_typed
256.bzip2: +Oall +Odataprefetch +Optrs_strongly_types
           +Owhole_program_mode +Onoptrs_to_globals +Oinline_budget=80
           +ESlit +ESfic
300.twolf: +Oall +Optrs_strongly_typed
System tunables:
vps_pagesize 4096, vps_ceiling 4096
dbc_min_pct 25, dbc_max_pct 25
```