



CINT2000 Result

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Hewlett-Packard Company
hp workstation b2600

SPECint_rate2000 = 4.67
SPECint_rate_base2000 = 4.41

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	409	3.97	1	406	4.00
175.vpr	1	367	4.43	1	367	4.43
176.gcc	1	210	6.08	1	207	6.16
181.mcf	1	474	4.41	1	473	4.41
186.crafty	1	235	4.94	1	235	4.94
197.parser	1	547	3.82	1	513	4.07
252.eon	1	380	3.97	1	326	4.62
253.perlbnk	1	511	4.09	1	427	4.89
254.gap	1	527	2.42	1	497	2.57
255.vortex	1	267	8.25	1	251	8.78
256.bzip2	1	467	3.73	1	411	4.23
300.twolf	1	698	4.99	1	673	5.17

Hardware

CPU: PA8600
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
```



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Notes/Tuning Information (Continued)

```
197.parser: +Oall +Odataprefetch +ESfic +Oinline_budget=400
            +Owhole_program_mode
252.eon: +noeh +O4 +Optrs_strongly_typed +Olibcalls
         +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
```