



CINT2000 Result

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Hewlett-Packard Company
hp workstation c3700

SPECint_rate2000 = 7.00
SPECint_rate_base2000 = 6.59

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 1 | 277 | 5.85 | 1 | 275 | 5.91 |
| 175.vpr | 1 | 231 | 7.05 | 1 | 231 | 7.05 |
| 176.gcc | 1 | 141 | 9.08 | 1 | 139 | 9.21 |
| 181.mcf | 1 | 386 | 5.40 | 1 | 376 | 5.56 |
| 186.crafty | 1 | 155 | 7.50 | 1 | 155 | 7.50 |
| 197.parser | 1 | 363 | 5.74 | 1 | 341 | 6.12 |
| 252.eon | 1 | 252 | 5.98 | 1 | 216 | 6.97 |
| 253.perlbnk | 1 | 340 | 6.14 | 1 | 285 | 7.34 |
| 254.gap | 1 | 373 | 3.42 | 1 | 353 | 3.62 |
| 255.vortex | 1 | 180 | 12.2 | 1 | 170 | 13.0 |
| 256.bzip2 | 1 | 316 | 5.50 | 1 | 278 | 6.26 |
| 300.twolf | 1 | 383 | 9.09 | 1 | 368 | 9.46 |

Hardware

CPU: PA-8700
CPU MHz: 750
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 768KBI + 1536KBD (on chip)
Secondary Cache: none
L3 Cache: none
Other Cache: none
Memory: 512MB
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 15, dbc_max_pct 15
```