



CINT2000 Result

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Hewlett-Packard Company
hp workstation j6700

SPECint_rate2000 = 13.4
SPECint_rate_base2000 = 12.6

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	2	281	11.6	2	279	11.7
175.vpr	2	248	13.1	2	248	13.1
176.gcc	2	143	17.9	2	141	18.1
181.mcf	2	545	7.67	2	540	7.74
186.crafty	2	155	15.0	2	155	15.0
197.parser	2	366	11.4	2	343	12.2
252.eon	2	252	12.0	2	217	13.9
253.perlbnk	2	341	12.2	2	286	14.6
254.gap	2	385	6.63	2	366	6.98
255.vortex	2	184	24.0	2	174	25.4
256.bzip2	2	328	10.6	2	288	12.1
300.twolf	2	382	18.2	2	367	19.0

Hardware

CPU: PA-8700
CPU MHz: 750
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
CPU(s) orderable: 2
Parallel: --
Primary Cache: 768KBI + 1536KBD (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 15, dbc_max_pct 15
```