



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
hp server rp7400

SPECint_rate2000 = 6.40
SPECint_rate_base2000 = 6.03

SPEC license #: 3 Tested by: HP Test date: Aug-2001 Hardware Avail: Sep-2001 Software Avail: Sep-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	283	5.74	1	281	5.78
175.vpr	1	255	6.38	1	255	6.38
176.gcc	1	155	8.23	1	153	8.34
181.mcf	1	455	4.59	1	450	4.64
186.crafty	1	156	7.45	1	156	7.45
197.parser	1	422	4.95	1	390	5.35
252.eon	1	256	5.90	1	222	6.79
253.perlbnk	1	353	5.92	1	303	6.90
254.gap	1	454	2.81	1	430	2.97
255.vortex	1	204	10.8	1	194	11.4
256.bzip2	1	365	4.77	1	313	5.55
300.twolf	1	384	9.06	1	370	9.40

Hardware

CPU: PA-8700
 CPU MHz: 750
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1-8
 Parallel: No
 Primary Cache: 0.75MBI + 1.5MBD on chip
 Secondary Cache: None
 L3 Cache: None
 Other Cache: None
 Memory: 16GB
 Disk Subsystem: 2x9GB SCSI disk
 Other Hardware: None

Software

Operating System: B.11.11.0109.6 HP-UX 11i, September 2001 HWE patches
 Compiler: HP ANSI C 11.11.03
 aC++ C.03.30.02
 PHSS_24207 libm patch
 File System: HFS
 System State: Multi-user

Notes/Tuning Information

Portability Flags:

```
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:

```
164.gzip: +Oall +Optrs_strongly_typed +Oinline_budget=800
        +I/+P +Ostatic_prediction -Wl,-aarchive
175.vpr: basepeak=true
176.gcc: +Oall +ESlit +ESfic +Optrs_strongly_typed
        +I/+P +Ostatic_prediction -Wl,-aarchive
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
hp server rp7400

SPECint_rate2000 = 6.40
SPECint_rate_base2000 = 6.03

SPEC license #: 3 | Tested by: HP | Test date: Aug-2001 | Hardware Avail: Sep-2001 | Software Avail: Sep-2001

Notes/Tuning Information (Continued)

```

181.mcf: +Oall +Owhole_program_mode +Opromote_indirect_calls
        +I/+P +Ostatic_prediction -Wl,-aarchive
186.crafty: basepeak=true
197.parser: +Oall +Odataprefetch +ESfic +Oinline_budget=400
            +Owhole_program_mode
            +I/+P +Ostatic_prediction -Wl,-aarchive
252.eon: +noeh +O4 +Optrs_strongly_typed +Olibcalls +Oentrysched
        +A +ESfic
        +I/+P +Ostatic_prediction -Wl,-aarchive
253.perlbnk: +Oall +ESlit +ESfic +Optrs_strongly_typed
            +Opromote_indirect_calls -Wl,/opt/langtools/lib/fastmem.o
            +I/+P +Ostatic_prediction -Wl,-aarchive
254.gap: +Oall +ESlit +ESfic +Optrs_strongly_typed
        +Opromote_indirect_calls
        +I/+P +Ostatic_prediction -Wl,-aarchive
255.vortex: +Oall +Oinline_budget=800 +Optrs_strongly_typed
            +I/+P +Ostatic_prediction -Wl,-aarchive
256.bzip2: +Oall +Odataprefetch +Optrs_strongly_typed
            +Owhole_program_mode +Onoptrs_to_globals
            +Oinline_budget=80 +OESlit +OESfic
            +I/+P +Ostatic_prediction -Wl,-aarchive
300.twolf: +Oall +Optrs_strongly_typed
            +I/+P +Ostatic_prediction -Wl,-aarchive

```

System tunables:

```

vps_pagesize 4096, vps_ceiling 16384
dbc_min_pct 20, dbc_max_pct 20
maxdsiz 2063835136, maxssiz 401604608
Unused processors disabled at boot

```