CINT2000 Result

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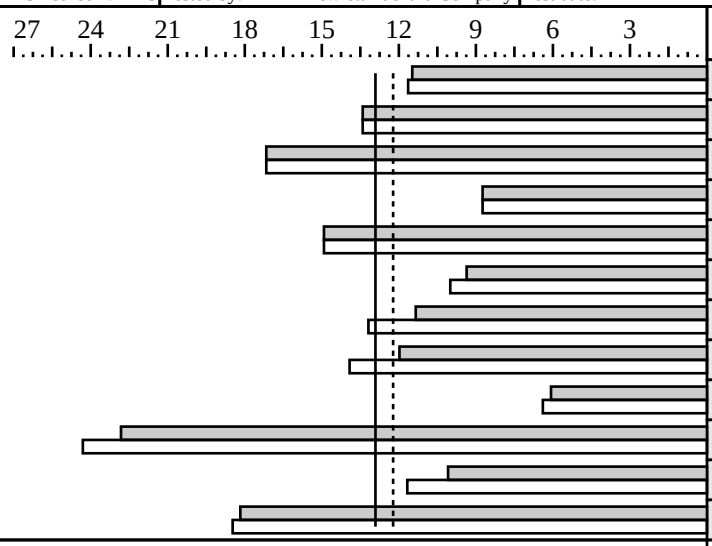
Hewlett-Packard Company
hp server rp2470

SPECint_rate2000 = 12.9

SPECint_rate_base2000 = 12.2

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jan-2002 | Hardware Avail: Mar-2002 | Software Avail: Dec-2001



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	283	11.5	2	279	11.6
175.vpr	2	242	13.4	2	242	13.4
176.gcc	2	149	17.2	2	149	17.2
181.mcf	2	478	8.74	2	478	8.74
186.crafty	2	156	14.9	2	156	14.9
197.parser	2	446	9.36	2	418	10.00
252.eon	2	266	11.3	2	229	13.2
253.perlbmk	2	349	12.0	2	300	13.9
254.gap	2	420	6.07	2	399	6.39
255.vortex	2	193	22.8	2	181	24.3
256.bzip2	2	345	10.1	2	298	11.7
300.twolf	2	383	18.2	2	377	18.5

Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	8GB (8x1GB DIMMs)
Disk Subsystem:	1x36 GB SCSI
Other Hardware:	

Software

Operating System:	HP-UX 11i B.11.11.0112
Compiler:	HP ANSI C B11.11.04 HP aC++ Compiler C.03.33.01
File System:	VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability:
  176.gcc: -DHOST_WORDS_BIG_ENDIAN
  186.crafty: -DHP
  252.eon: -DFMAX_IS_DOUBLE
  253.perlbmk: -DSPEC_CPU2000_HP
  254.gap: -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
           -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO

Baseline compile flags:
  C      : +I/+P +Oall +Ostatic_prediction -Wl,-a,archive
  C++    : +I/+P +O3 +Ostatic_prediction -Wl,-a,archive

Peak compile flags:
  164.gzip: +I/+P +Oall +Optrs_strongly_typed +Oinline_budget=800
            -Wl,-a,archive +Ostatic_prediction
  175.vpr: basepeak=true
  176.gcc: basepeak=true
  181.mcf: basepeak=true
  186.crafty: basepeak=true
```

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Notes/Tuning Information (Continued)

```
    197.parser: +I/+P +Oall +Odataprefetch +ESfic +Oinline_budget=400
                +Owhole_program_mode -Wl,-a,archive +Ostatic_prediction
    252.eon: +I/+P +noeh +O4 +Optrs_strongly_typed +Olibcalls +Oentrysched
             +A +ESfic -Wl,-a,archive +Ostatic_prediction
    253.perlbmk: +I/+P +Oall +ESlit +ESfic +Optrs_strongly_typed
                 +Opromote_indirect_calls -Wl,-a,archive +Ostatic_prediction
                 linked with /opt/langtools/lib/fastmem.o
    254.gap: +I/+P +Oall +ESlit +ESfic +Optrs_strongly_typed
             +Opromote_indirect_calls -Wl,-a,archive +Ostatic_prediction
    255.vortex: +I/+P +Oall +Oinline_budget=800 +Optrs_strongly_typed
                -Wl,-a,archive +Ostatic_prediction
    256.bzip2: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed +Owhole_program_mode
               +Onoptrs_to_globals +Oinline_budget=80 -Wl,-a,archive +Ostatic_prediction
    300.twolf: +I/+P +Oall +Optrs_strongly_typed -Wl,-a,archive +Ostatic_prediction

  Operating system configuration notes:
    vps_pagesize 4096, vps_ceiling 16384
    dbc_min_pct 15, dbc_max_pct 15
    maxdsiz_64bit 0x4000000000, maxssiz_64bit 0x400000000
    nfile 8192
```