CINT2000 Result

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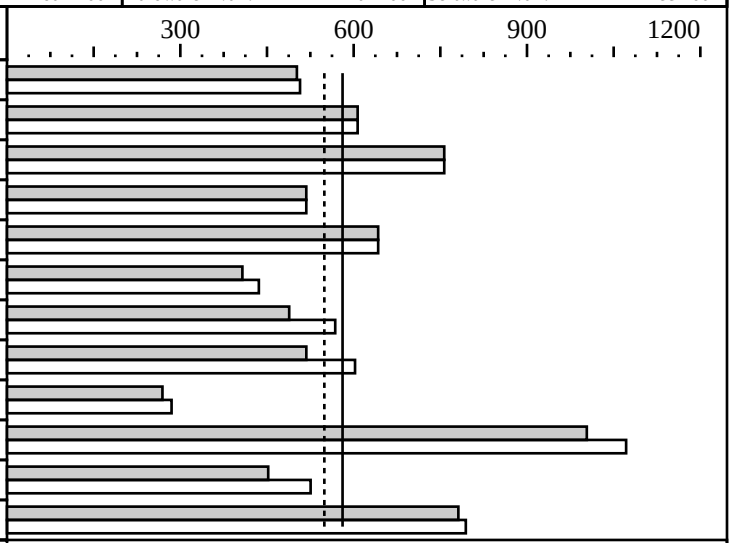
Hewlett-Packard Company
hp server rp2470

SPECint2000 = 581

SPECint_base2000 = 549

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	279	502	276	507
175.vpr	1400	231	607	231	607
176.gcc	1100	145	757	145	757
181.mcf	1800	347	518	347	518
186.crafty	1000	156	642	156	642
197.parser	1800	442	407	413	436
252.eon	1300	266	488	229	568
253.perlbmk	1800	347	518	299	602
254.gap	1100	409	269	386	285
255.vortex	1900	189	1004	177	1072
256.bzip2	1500	332	452	285	525
300.twolf	3000	384	781	378	794



Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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
    Unused processors disabled at boot.
```