CINT2000 Result

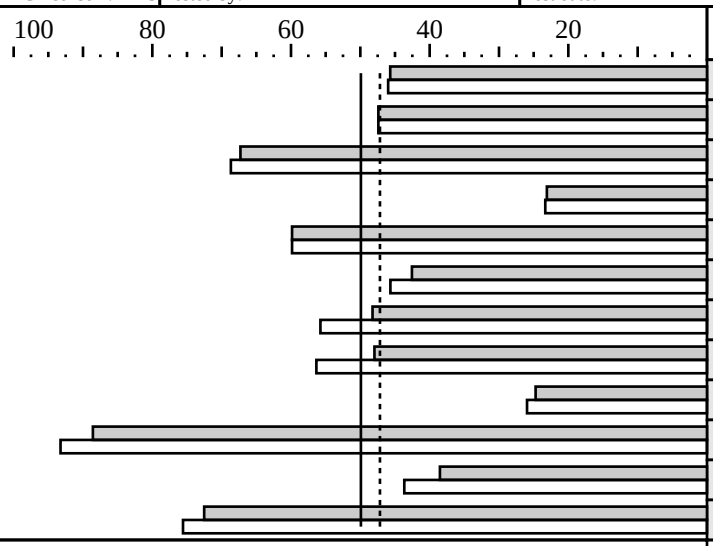
Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
hp server rp8400

SPECint_rate2000 = 49.9

SPECint_rate_base2000 = 47.2

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	8	284	45.7	8	283	46.0
175.vpr	8	274	47.4	8	274	47.4
176.gcc	8	152	67.3	8	149	68.7
181.mcf	8	723	23.1	8	716	23.3
186.crafty	8	155	59.8	8	155	59.8
197.parser	8	392	42.6	8	366	45.7
252.eon	8	250	48.2	8	216	55.8
253.perlbmk	8	348	48.0	8	296	56.3
254.gap	8	413	24.7	8	393	26.0
255.vortex	8	199	88.6	8	189	93.2
256.bzip2	8	361	38.5	8	319	43.7
300.twolf	8	384	72.5	8	368	75.6

Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	2 to 16 by 2
Parallel:	No
Primary Cache:	0.75MBI + 1.5MBD on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	16GB
Disk Subsystem:	8x36GB SCSI
Other Hardware:	2 cells

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:	Advanced JFS
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags:
  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
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
  181.mcf:  +Oall +Owhole_program_mode +Opromote_indirect_calls
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
              +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.perlbmk: +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 0x7b03a000, maxssiz 256000000
    boot time firmware tunable DataPrefetch enabled (default)
```