



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
hp server rp5470

SPECint_rate2000 = 24.5
SPECint_rate_base2000 = 23.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	287	22.6	4	285	22.8
175.vpr	4	275	23.6	4	275	23.6
176.gcc	4	160	32.0	4	158	32.3
181.mcf	4	591	14.1	4	592	14.1
186.crafty	4	155	29.9	4	155	29.9
197.parser	4	431	19.4	4	399	20.9
252.eon	4	255	23.6	4	222	27.2
253.perlbnk	4	355	23.5	4	305	27.4
254.gap	4	468	10.9	4	446	11.4
255.vortex	4	209	42.2	4	199	44.4
256.bzip2	4	382	18.2	4	331	21.0
300.twolf	4	384	36.3	4	368	37.8

Hardware

CPU: PA-8700
CPU MHz: 750
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
CPU(s) orderable: 1 to 4
Parallel: No
Primary Cache: 0.75MBI + 1.5MBD on chip
Secondary Cache: None
L3 Cache: None
Other Cache: None
Memory: 4GB
Disk Subsystem: 18GB 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 rp5470

SPECint_rate2000 = 24.5
SPECint_rate_base2000 = 23.2

SPEC license #: 3 | Tested by: HP Richardson | Test date: Oct-2001 | Hardware Avail: Nov-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

```