



CINT2000 Result

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Hewlett-Packard Company
hp server rp5470

SPECint2000 = 549
SPECint_base2000 = 517

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	282	496	281	499	
175.vpr	1400	262	535	262	535	
176.gcc	1100	156	707	154	715	
181.mcf	1800	479	376	455	396	
186.crafty	1000	155	644	155	644	
197.parser	1800	422	427	390	461	
252.eon	1300	255	509	222	585	
253.perlbnk	1800	353	510	303	595	
254.gap	1100	454	242	431	255	
255.vortex	1900	204	931	194	981	
256.bzip2	1500	366	410	314	477	
300.twolf	3000	383	783	369	812	

Hardware

CPU: PA-8700
 CPU MHz: 750
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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



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Notes/Tuning Information (Continued)

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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

```