



# CINT2000 Result

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Hewlett-Packard Company  
HP 9000 Model L3000

SPECint\_rate2000 = 4.50  
SPECint\_rate\_base2000 = 4.32

SPEC license #: 3 Tested by: HP Richardson, TX Test date: Nov-2000 Hardware Avail: Nov-2000 Software Avail: Nov-2000

9 8 7 6 5 4 3 2 1										Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
.....										164.gzip	1	381	4.26	1	377	4.31
.....										175.vpr	1	381	4.26	1	357	4.54
.....										176.gcc	1	210	6.08	1	210	6.09
.....										181.mcf	1	637	3.28	1	636	3.28
.....										186.crafty	1	215	5.39	1	215	5.39
.....										197.parser	1	575	3.63	1	572	3.65
.....										252.eon	1	348	4.34	1	313	4.82
.....										253.perlbnk	1	472	4.42	1	436	4.79
.....										254.gap	1	562	2.27	1	562	2.27
.....										255.vortex	1	269	8.20	1	256	8.61
.....										256.bzip2	1	497	3.50	1	434	4.01
.....										300.twolf	1	721	4.83	1	694	5.01

### Hardware

CPU: 550 MHz PA-8600  
CPU MHz: 550  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1-4  
Parallel: No  
Primary Cache: 512KBI+1MBD (on chip)  
Secondary Cache: none  
L3 Cache: none  
Other Cache: None  
Memory: 8GB  
Disk Subsystem: 2x36 GB 10000RPM  
Other Hardware: --

### Software

Operating System: HP-UX B.11.0  
Compiler: HP92453-01 A.11.01.20 HP C Compiler  
B3913DB C.03.25 HP aC++ Compiler (S800)  
File System: HP-UX HFS  
System State: Multi-user

## Notes/Tuning Information

### Portability flags:

175.vpr: -DSPEC\_CPU2000 ; 176.gcc: -DHOST\_WORDS\_BIG\_ENDIAN  
181.mcf: -DWANT\_STDC\_PROTO ; 186.crafty: -DHP -DSPEC\_CPU2000  
197.parser: -DSPEC\_CPU2000 ; 252.eon: -DFMAX\_IS\_DOUBLE -DNDEBUG  
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  
300.twolf: -DSPEC\_CPU2000

Compiler invoked in extended ANSI mode: cc -Ae

### Base flags:

cc: +Oall +Ostatic\_prediction -Wl,-aarchive +I/+P  
c++: +O3 +Ostatic\_prediction -Wl,-aarchive +I/+P

### Peak flags:

Peak flags = base flags for 186.crafty and 254.gap  
all: +Ostaticprediction -Wl,-aarchive +I/+P  
164.gzip: +Oall +Optrs\_strongly\_typed +Oinline\_budget=800  
-Wl,/opt/langtools/lib/fastmem.o  
175.vpr: +Oall +Optrs\_strongly\_typed +Owhole\_program\_mode  
176.gcc: +Oall +ESlit +ESfic



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## Notes/Tuning Information (Continued)

```
181.mcf: +Oall +Opromote_indirect_calls
186.crafty: basepeak
197.parser: +Oall +Odataprefetch +ESfic +Oinline_budget=400
252.eon: +noeh +O4 +Optrs_strongly_typed +Olibcalls
253.perlbnk: +Oall +ESlit +ESfic -Wl,/opt/langtools/lib/fastmem.o
254.gap: basepeak
255.vortex: +Oall +Oinline_budget=800 +Optrs_strongly_typed
           -Wl,/opt/langtools/lib/fastmem.o
256.bzip2: +Oall +Odataprefetch +Optrs_strongly_typed
300.twolf: +Oall +Optrs_strongly_typed
Kernel tunables:
vps_pagesize=4096, vps_ceiling=16384, maxdsiz=0X04000000, maxssiz=0X10000000, dbc_max_pct=10, dbc_min_pct=10
Unused processors disabled at boot
Event Monitoring System disabled.
```