



# CINT2000 Result

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Hewlett-Packard Company  
hp visualize j6000 UNIX workstation

SPECint2000 = 441  
SPECint\_base2000 = 417

SPEC license #: 3 Tested by: HP TCL Fort Collins CO Test date: Nov-2000 Hardware Avail: Sep-2000 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	300 600 900 1200			
164.gzip	1400	372	376	368	381	[Bar chart showing ratio bars for 164.gzip]			
175.vpr	1400	332	421	318	441	[Bar chart showing ratio bars for 175.vpr]			
176.gcc	1100	191	577	191	577	[Bar chart showing ratio bars for 176.gcc]			
181.mcf	1800	469	384	467	385	[Bar chart showing ratio bars for 181.mcf]			
186.crafty	1000	212	472	212	472	[Bar chart showing ratio bars for 186.crafty]			
197.parser	1800	499	361	471	382	[Bar chart showing ratio bars for 197.parser]			
252.eon	1300	329	395	289	450	[Bar chart showing ratio bars for 252.eon]			
253.perlbnk	1800	443	406	392	459	[Bar chart showing ratio bars for 253.perlbnk]			
254.gap	1100	481	229	449	245	[Bar chart showing ratio bars for 254.gap]			
255.vortex	1900	249	764	232	820	[Bar chart showing ratio bars for 255.vortex]			
256.bzip2	1500	430	349	377	398	[Bar chart showing ratio bars for 256.bzip2]			
300.twolf	3000	627	479	621	483	[Bar chart showing ratio bars for 300.twolf]			

### Hardware

CPU: 552 MHz PA-8600  
 CPU MHz: 552  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 2  
 Parallel: --  
 Primary Cache: 512KBI+1MBD (on chip)  
 Secondary Cache: none  
 L3 Cache: none  
 Other Cache: None  
 Memory: 4GB  
 Disk Subsystem: 1x9Gbyte 10000RPM + 1x9Gbyte LVD 10000RPM  
 Other Hardware: --

### Software

Operating System: HP-UX B.11.0  
 Compiler: HP92453-01 A.11.01.21505.GP HP C Compiler  
 HP aC++ B3910B A.03.25  
 File System: HP-UX VxFS  
 System State: Multi-user

## Notes/Tuning Information

Portability flags:

cc: -Ae

Base flags:

cc: +Oall +I/+P +Ostaticprediction -Wl,-aarchive

c++: +O3 +A +I/+P -Wl,-aarchive

Peak flags = base flags for 176.gcc, 186.crafty

Peak flags:

All: +I/+P +Ostaticprediction

164.gzip: +Oall +Optrs\_strongly\_typed +Oinline\_budget=800

-Wl,-aarchive -Wl,/opt/langtools/lib/fastmem.o

175.vpr: +Oall +Optrs\_strongly\_typed +Owhole\_program\_mode

-Wl,-aarchive

181.mcf: +Oall +Owhole\_program\_mode +Opromote\_indirect\_calls -Wl,-aarchive

197.parser: +Oall +Odataprefetch +ESfic +Oinline\_budget=400

+Owhole\_program\_mode -Wl,-aarchive

252.eon: +noeh +O4 +Optrs\_strongly\_typed +Olibcalls +Oentrsched +A +ESfic

+Onolimit +Opromote\_indirect\_calls +Onofltacc -Wl,-aarchive

253.perlbnk: +Oall +ESlit +ESfic +Optrs\_strongly\_typed +Opromote\_indirect\_calls

-Wl,-aarchive -Wl,/opt/langtools/lib/fastmem.o

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## Notes/Tuning Information (Continued)

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254.gap:      +O4 +Opromote_indirect_calls +ESfic +Optrs_strongly_typed
              +Odataprefetch -Wl,-aarchive
255.vortex:   +Oall +Oinline_budget=800 +Optrs_strongly_typed
              -Wl,-aarchive -Wl,/opt/langtools/lib/fastmem.o
256.bzip2:   +Oall +Odataprefetch +Optrs_strongly_typed +Owhole_program_mode
              +Onoptrs_to_globals +Oinline_budget=80 +ESlit +ESfic
              -Wl,-aarchive
300.twolf:   +Oall +Optrs_strongly_typed

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### Kernel tunables:

vps\_pagesize=4096, vps\_ceiling=4096, dbc\_min\_pct=25, dbc\_max\_pct=25