



CINT2000 Result

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Hewlett-Packard Company
hp visualize b2000 UNIX workstation

SPECint2000 = 332
SPECint_base2000 = 313

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	509	275	504	278	
175.vpr	1400	427	328	401	349	
176.gcc	1100	262	420	262	420	
181.mcf	1800	523	344	522	345	
186.crafty	1000	292	343	292	343	
197.parser	1800	689	261	649	277	
252.eon	1300	454	286	399	326	
253.perlbnk	1800	612	294	530	340	
254.gap	1100	675	163	630	175	
255.vortex	1900	333	571	305	622	
256.bzip2	1500	566	265	489	307	
300.twolf	3000	831	361	820	366	

Hardware

CPU: 400 MHz PA-8500
CPU MHz: 400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: --
Primary Cache: 512KBI+1MBD (on chip)
Secondary Cache: none
L3 Cache: none
Other Cache: None
Memory: 2GB
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)

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

Kernel tunables:

vps_pagesize=4096, vps_ceiling=4096, dbc_min_pct=25, dbc_max_pct=25