



CINT2000 Result

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Hewlett-Packard Company
hp visualize b2000 UNIX workstation

SPECint_rate2000 = 3.85
SPECint_rate_base2000 = 3.63

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	509	3.19	1	504	3.22
175.vpr	1	427	3.81	1	401	4.05
176.gcc	1	262	4.88	1	262	4.88
181.mcf	1	523	3.99	1	522	4.00
186.crafty	1	292	3.97	1	292	3.97
197.parser	1	689	3.03	1	649	3.22
252.eon	1	454	3.32	1	399	3.78
253.perlbnk	1	612	3.41	1	530	3.94
254.gap	1	675	1.89	1	630	2.03
255.vortex	1	333	6.62	1	305	7.22
256.bzip2	1	566	3.07	1	489	3.56
300.twolf	1	831	4.19	1	820	4.25

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