CINT2000 Result

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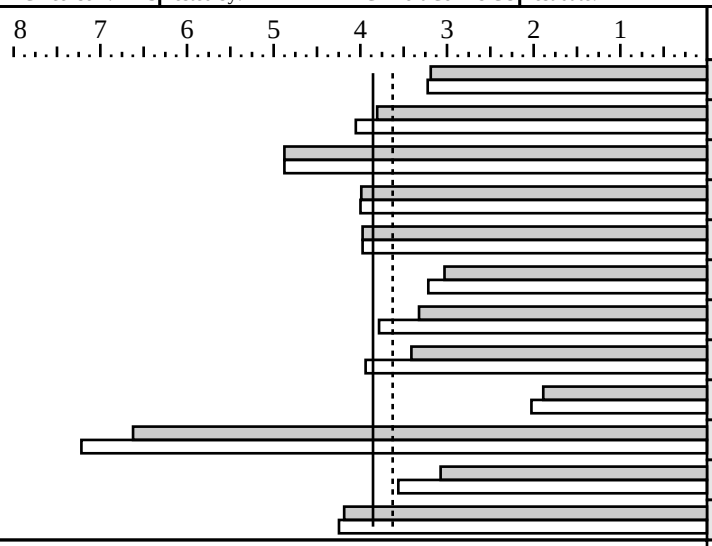
Hewlett-Packard Company
hp visualize b2000 UNIX workstation

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.perlbmk	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 +Oentrysched +A +ESfic
            +Onolimit +Opromote_indirect_calls +Onofltacc   -Wl,-aarchive
253.perlbmk:+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
```