CINT2000 Result

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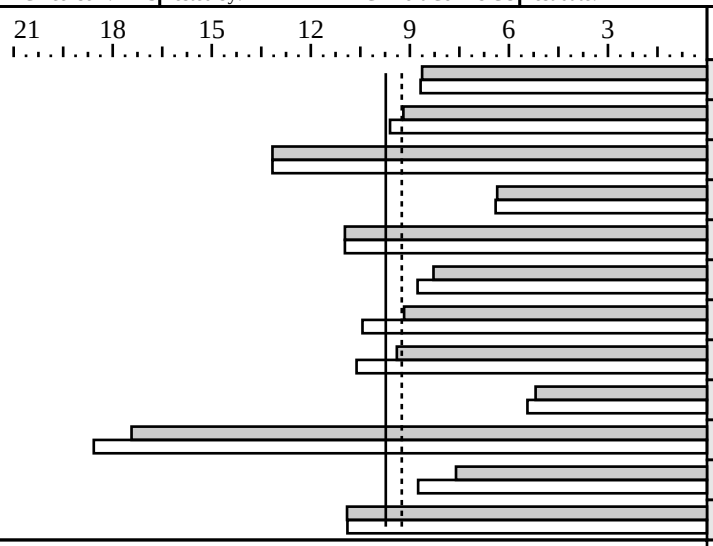
Hewlett-Packard Company
hp visualize j6000 UNIX workstation

SPECint_rate2000 = 9.73

SPECint_rate_base2000 = 9.24

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	376	8.63	2	374	8.67
175.vpr	2	353	9.20	2	338	9.60
176.gcc	2	194	13.2	2	194	13.2
181.mcf	2	657	6.35	2	652	6.40
186.crafty	2	212	11.0	2	212	11.0
197.parser	2	504	8.28	2	476	8.77
252.eon	2	329	9.17	2	289	10.4
253.perlbmk	2	445	9.39	2	393	10.6
254.gap	2	492	5.19	2	469	5.44
255.vortex	2	253	17.4	2	237	18.6
256.bzip2	2	458	7.60	2	398	8.75
300.twolf	2	638	10.9	2	639	10.9

Hardware

CPU:	552 MHz PA-8600
CPU MHz:	552
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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 +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
```