CINT2000 Result

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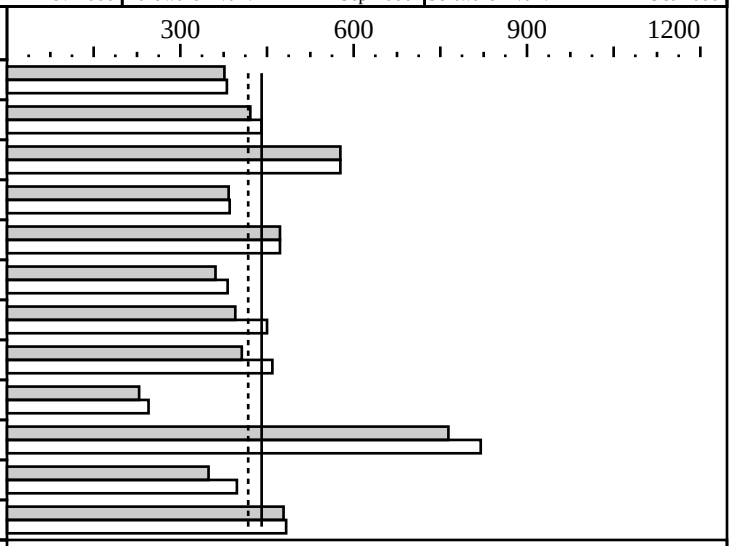
Hewlett-Packard Company
hp visualize j6000 UNIX workstation

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



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 +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
```