CINT2000 Result

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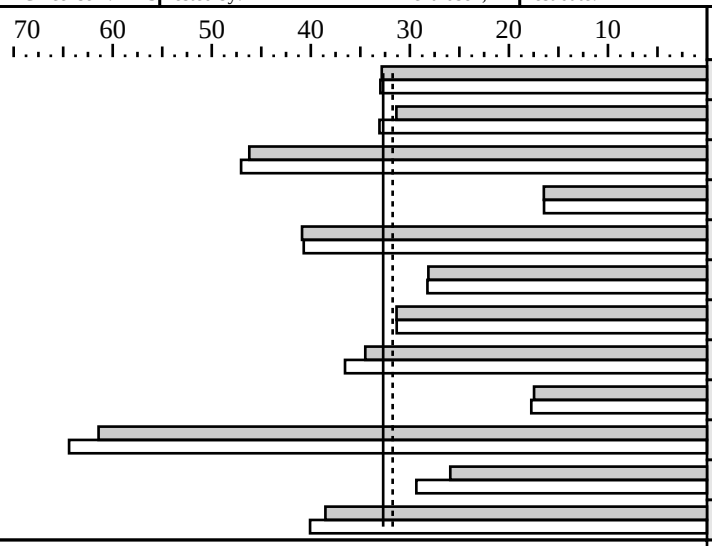
Hewlett-Packard Company
HP 9000 Model N4000

SPECint_rate2000 = 32.7

SPECint_rate_base2000 = 31.7

SPEC license #: 3 | Tested by: HP Richardson, TX | Test date: Mar-2000 | Hardware Avail: Apr-2000 | Software Avail: Apr-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	396	32.8	8	394	33.0
175.vpr	8	414	31.4	8	393	33.1
176.gcc	8	221	46.2	8	217	47.0
181.mcf	8	1014	16.5	8	1015	16.5
186.crafty	8	227	40.9	8	228	40.7
197.parser	8	594	28.1	8	592	28.2
252.eon	8	385	31.3	8	385	31.3
253.perlbmk	8	484	34.5	8	457	36.5
254.gap	8	585	17.5	8	575	17.7
255.vortex	8	287	61.4	8	274	64.4
256.bzip2	8	537	25.9	8	474	29.3
300.twolf	8	723	38.5	8	695	40.1

Hardware

CPU:	552 MHz PA-RISC 8600
CPU MHz:	552
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	1-8
Parallel:	--
Primary Cache:	512KBI+1MBD
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	1x9GB FC 10,000 rpm
Other Hardware:	--

Software

Operating System:	HP-UX B.11.00
Compiler:	HP92453-01 A.11.01.02 HP C Compiler HP aC++ B3910B X.03.14.05
File System:	HP-UX VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability flags:
cc: -Ae

Base Flags:
cc: +Oall +Onovectorize -Wl,-a,archive +I/+P
c++: +O2 +Ostaticprediction -Wl,-aarchive +I/+P

Peak flags:
164.gzip: +Oall +Onovectorize +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
175.vpr: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
176.gcc: +Oall +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
181.mcf: +Oall +Onovectorize +Ostaticprediction -Wl,-aarchive
186.crafty: +Oall
197.parser: +Oall +Ostaticprediction +Odataprefetch +ESlit +ESfic -Wl,-aarchive
253.perlbmk: +Oall +Onovectorize +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
254.gap: +Oall +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
255.vortex: +Oall +Onovectorize +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
256.bzip2: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
300.twolf: +Oall +Onovectorize +Ostaticprediction +Optrs_strongly_typed
Kernel Tunables:
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Notes/Tuning Information (Continued)

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vps_pagesize=256, vps_ceiling=256
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