



CINT2000 Result

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Hewlett-Packard Company
HP 9000 Model N4000

SPECint_rate2000 = 8.70
SPECint_rate_base2000 = 8.41

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	2	380	8.55	2	376	8.64
175.vpr	2	381	8.52	2	358	9.07
176.gcc	2	212	12.0	2	207	12.3
181.mcf	2	741	5.63	2	737	5.67
186.crafty	2	227	10.2	2	228	10.2
197.parser	2	574	7.28	2	572	7.31
252.eon	2	386	7.82	2	385	7.84
253.perlbnk	2	481	8.68	2	454	9.20
254.gap	2	560	4.56	2	549	4.65
255.vortex	2	278	15.9	2	264	16.7
256.bzip2	2	499	6.97	2	439	7.93
300.twolf	2	701	9.93	2	673	10.3

Hardware

CPU: 552 MHz PA-RISC 8600
CPU MHz: 552
FPU: Integrated
CPU(s) enabled: 2 cores, 2 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 +ESflic +Optrs_strongly_typed -Wl,-aarchive

175.vpr: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive

176.gcc: +Oall +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive

181.mcf: +Oall +Onovectorize +Ostaticprediction -Wl,-aarchive

186.crafty: +Oall

197.parser: +Oall +Ostaticprediction +Odataprefetch +ESlit +ESflic -Wl,-aarchive

253.perlbnk: +Oall +Onovectorize +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive

254.gap: +Oall +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive

255.vortex: +Oall +Onovectorize +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive

256.bzip2: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive

300.twolf: +Oall +Onovectorize +Ostaticprediction +Optrs_strongly_typed

Kernel Tunables:

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



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Notes/Tuning Information (Continued)

vps_pagesize=256, vps_ceiling=256