



CINT2000 Result

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IBM Corporation RS/6000 43P-150 (250MHz)

SPECint2000 = 105
SPECint_base2000 = 99.4

SPEC license #: 11 Tested by: IBM, Austin, TX Test date: May-2000 Hardware Avail: May-2000 Software Avail: Jun-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	Scale: 30, 60, 90, 120, 150				
164.gzip	1400	1941	72.1	1698	82.4	[Bar chart showing ratio vs scale]				
175.vpr	1400	1242	113	1242	113	[Bar chart showing ratio vs scale]				
176.gcc	1100	1401	78.5	1343	81.9	[Bar chart showing ratio vs scale]				
181.mcf	1800	1583	114	1583	114	[Bar chart showing ratio vs scale]				
186.crafty	1000	985	102	891	112	[Bar chart showing ratio vs scale]				
197.parser	1800	2367	76.0	2184	82.4	[Bar chart showing ratio vs scale]				
252.eon	1300	1182	110	1139	114	[Bar chart showing ratio vs scale]				
253.perlbnk	1800	1947	92.5	1776	101	[Bar chart showing ratio vs scale]				
254.gap	1100	1067	103	1036	106	[Bar chart showing ratio vs scale]				
255.vortex	1900	1836	103	1579	120	[Bar chart showing ratio vs scale]				
256.bzip2	1500	1340	112	1327	113	[Bar chart showing ratio vs scale]				
300.twolf	3000	2198	136	2198	136	[Bar chart showing ratio vs scale]				

Hardware

CPU: 250MHz IBM PowerPC 604e
CPU MHz: 250
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32KBI+32KBD (on chip)
Secondary Cache: 1MB unified (off chip)
L3 Cache: None
Other Cache: None
Memory: 512MB
Disk Subsystem: 1x4.5GB Ultra SCSI, 7200 RPM
Other Hardware: None

Software

Operating System: AIX 4.3.3 plus APAR IY09807
Compiler: C: IBM VAC 5.0.1 invoked as 'cc' except where noted as 'xlc'
C++: IBM C++ 3.6.6.0 invoked as 'xlc'
File System: AIX/JFS
System State: Multi-user

Notes/Tuning Information

Portability Flags:

gcc: -ma -qlanglvl=ansi -DHOST_WORDS_BIG_ENDIAN
crafty: -DAIX
eon: -DNEED_EXPLICIT_SPECIALIZATION
perlbnk: -DSPEC_CPU2000_AIX
gap: -DSYS_IS_BSD -DSYS_STRING_H -DSYS_HAS_TIME_PROTO -DSYS_HAS_MALLOC_PROTO -DSYS_HAS_CALLOC_PROTO
twolf: -DHAVE_SIGNED_CHAR

Base Optimization Flags:

C: -O4 -qarch=ppc -qtune=604 -lhmu
C++: -O3 -qpdf1/pdf2 -qarch=ppc -qtune=604

Peak Optimization Flags:

164.gzip: CC=xlc, -O5 -qarch=ppc -qtune=604, fdpr -v -R3
175.vpr: -O4 -qarch=ppc -qtune=604 -lhmu (basepeak=1)
176.gcc: -O3 -qpdf1/pdf2 -qarch=604 -lhmu, fdpr -v -R3
181.mcf: -O4 -qarch=ppc -qtune=604 -lhmu (basepeak=1)
186.crafty: -O4 -qarch=604 -qtune=604, fdpr -v -R3
197.parser: CC=xlc, -O4 -qpdf1/pdf2 -qarch=604 -qtune=604 -L/usr/vac/lib -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
252.eon: -O3 -qpdf1/pdf2 -qarch=ppc -qtune=604 -lhmu, fdpr -v -R3
253.perlbnk: -O3 -qpdf1/pdf2 -qarch=604 -lhmu -qdatalocal -qunroll=8, fdpr -v -R3
254.gap: -O4 -qarch=604 -qtune=604, fdpr -v -R3



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Notes/Tuning Information (Continued)

255.vortex: -O5 -qpdf1/pdf2 -lhm
256.bzip2: -O4 -qarch=604 -qtune=604, fdpr -v -R3
300.twolf: -O4 -qarch=ppc -qtune=604 -lhm (basepeak=1)