CINT2000 Result

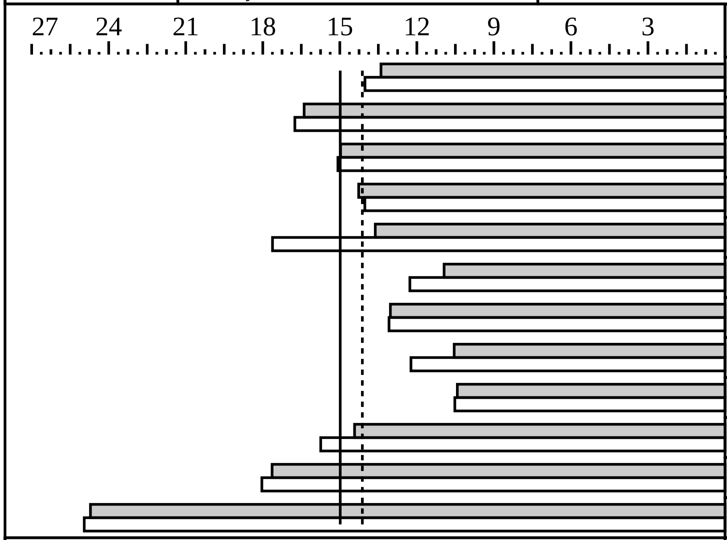
IBM Corporation

IBM eServer pSeries 620 Model 6F1 (600 MHz, 4MB L2)

SPECint_rate2000 = 15.0

SPECint_rate_base2000 = 14.1

SPEC license #: 11	Tested by: IBM, Austin, TX	Test date: Mar-2001	Hardware Avail: Apr-2001	Software Avail: Apr-2001



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	485	13.4	4	463	14.0
175.vpr	4	396	16.4	4	388	16.8
176.gcc	4	341	15.0	4	339	15.1
181.mcf	4	585	14.3	4	595	14.0
186.crafty	4	341	13.6	4	263	17.6
197.parser	4	764	10.9	4	681	12.3
252.eon	4	463	13.0	4	461	13.1
253.perlbmk	4	792	10.5	4	683	12.2
254.gap	4	490	10.4	4	485	10.5
255.vortex	4	611	14.4	4	560	15.7
256.bzip2	4	395	17.6	4	386	18.0
300.twolf	4	563	24.7	4	558	25.0

Hardware

CPU:	RS64 IV
CPU MHz:	600
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	2,4
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	4MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x9.1GB SCSI
Other Hardware:	Ethernet

Software

Operating System:	AIX 4.3.3
Compiler:	C: IBM VAC 5.0.1 invoked as 'cc' except where noted as 'xlc'; C++: IBM C++ 5.0.0 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
  perlbmk: -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 Flags:
  C: -O5 -lhmu
  C++: -qpdf1/pdf2 -O3 -qarch=ppc -qtune=rs64b
Peak Flags:
   164.gzip:   CC=/usr/vac/bin/xlc -O5 -qarch=ppc, fdpr -v -R3
   175.vpr:    CC=/usr/vac/bin/xlc, -O3 -qpdf1/pdf2 -qarch=rs64b    -Q=500 -L/usr/vac/lib -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
   176.gcc:    -qpdf1/pdf2 -O3 -qarch=pwr3 -lhmu -L/usr/vac/lib, fdpr -v -R3
   181.mcf:    -O5 -lhmu
   186.crafty: -O4 -lhmu -q64, fdpr -v -R3
   197.parser: -qpdf1/pdf2 CC=/usr/vac/bin/xlc -O4 -qarch=rs64b -L/usr/vac/lib -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
   252.eon:    -qpdf1/pdf2 -O3 -qarch=ppc -qtune=rs64b   -L/usr/vac/lib, fdpr -v -R3
   253.perlbmk:-qpdf1/pdf2 -O3 -qarch=rs64b -lhmu -qdatalocal -qunroll=8 -L/usr/vac/lib, fdpr -v -R3
   254.gap:    -O4  -qarch=rs64b, fdpr -v -R3
```

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Notes/Tuning Information (Continued)

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255.vortex:  -qpdf1/pdf2 -O5 -Q=500 -lhmu  -L/usr/vac/lib
256.bzip2:  -O5 -lhmu, fdpr -v -R3
300.twolf:  CC=/usr/vac/bin/xlc, -O5 -qpdf1/pdf2     -L/usr/vac/lib, fdpr -v -R3
Tests were run with APAR IY 17356 applied to AIX 4.3.3 to enable new hardware support.
fdpr: Feedback directed program restructuring tool
```