CINT2000 Result

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IBM Corporation

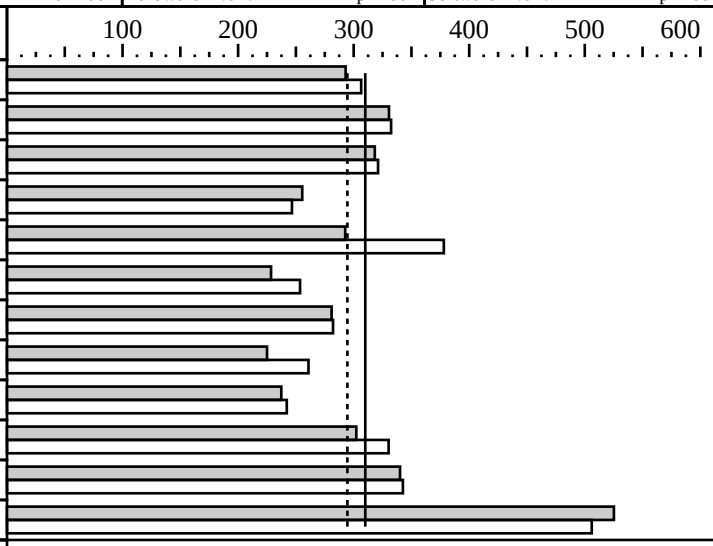
IBM eServer pSeries 620 Model 6F1 (600 MHz, 2MB L2)

SPECint2000 = 310

SPECint_base2000 = 295

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	478	293	457	307
175.vpr	1400	424	331	421	332
176.gcc	1100	346	318	343	321
181.mcf	1800	704	256	730	247
186.crafty	1000	342	293	265	378
197.parser	1800	788	229	710	254
252.eon	1300	463	281	461	282
253.perlbmk	1800	800	225	690	261
254.gap	1100	463	237	454	242
255.vortex	1900	629	302	575	330
256.bzip2	1500	441	340	438	343
300.twolf	3000	571	525	593	506



Hardware

CPU:	RS64 IV
CPU MHz:	600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	2MB 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
```