CINT2000 Result

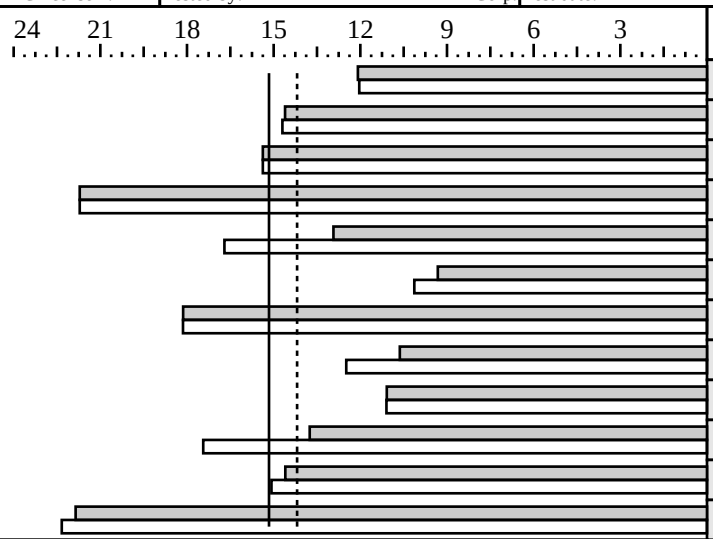
Copyright ©1999-2004, Standard Performance Evaluation Corporation

IBM Corporation
IBM eServer pSeries 640 Model B80

SPECint_rate2000 = 15.2

SPECint_rate_base2000 = 14.2

SPEC license #: 11 | Tested by: IBM Corp. | Test date: Nov-2001 | Hardware Avail: Oct-2001 | Software Avail: Dec-2001



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	538	12.1	4	540	12.0
175.vpr	4	445	14.6	4	442	14.7
176.gcc	4	332	15.4	4	332	15.4
181.mcf	4	385	21.7	4	385	21.7
186.crafty	4	359	12.9	4	278	16.7
197.parser	4	896	9.32	4	824	10.1
252.eon	4	333	18.1	4	333	18.1
253.perlbmk	4	785	10.6	4	669	12.5
254.gap	4	460	11.1	4	460	11.1
255.vortex	4	641	13.8	4	506	17.4
256.bzip2	4	477	14.6	4	462	15.1
300.twolf	4	637	21.9	4	623	22.3

Hardware

CPU:	POWER3-II
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	2,4
Parallel:	No
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	8MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x18GB 10000RPM
Other Hardware:	None

Software

Operating System:	AIX 5L V5.1
Compiler:	C: IBM VAC++ 5.0.2.0 invoked as cc except where noted as xlc C++: IBM VAC++ 5.0.2.0 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 Optimization Flags:
  C:           -O4 -lmass
  C++:         -O4 -lmass
Peak Optimization Flags
  164.gzip:    -O4 -lhmu, fdpr -R3 -p -x -o
  175.vpr:     -O5 -qunroll=8
  176.gcc:     (basepeak=1)
  181.mcf:     (basepeak=1)
  186.crafty:  -O3 -lhmu -q64
  197.parser:  -qpdf1/pdf2 -O4 -lpdf
               -bnso -bI:/lib/syscalls.exp, fdpr -R3  -p -x
  252.eon:     -O4 -lmass, fdpr -R3 -p -x -o
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
  253.perlbmk: -qpdf1/pdf2 -O3 -lhmu -lpdf -qarch=pwr3
               -qdatalocal -qunroll=8, fdpr -R3 -p -x
  254.gap:     -O4 -qarch=pwr3, fdpr -R3 -p -x -o
  255.vortex:  -O3 -lhmu -lmass -qipa=partition=large,
               fdpr -v -R3 -p -x
  256.bzip2:   -O5 -qunroll=8, fdpr -R3 -p -x -o
  300.twolf:   -qpdf1/pdf2 -O5 -lpdf, fdpr -R3 -p -x
                CC=/usr/vac/bin/xlc
fpdr: Feedback directed program restructuring tool
APAR IY 21957 was applied to AIX 5L V5.1 to enable new hardware support
```