CINT2000 Result

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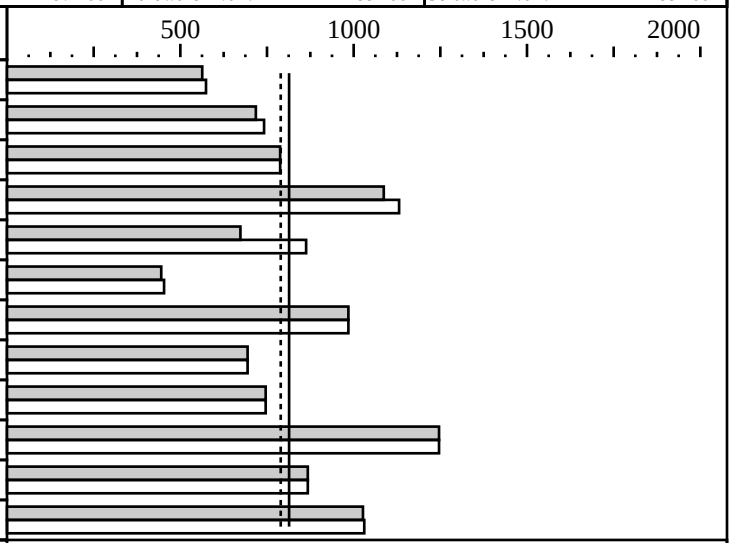
IBM Corporation
IBM eServer pSeries 690 Turbo

SPECint2000 = 814

SPECint_base2000 = 790

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	249	563	244	574
175.vpr	1400	195	718	189	742
176.gcc	1100	140	788	140	788
181.mcf	1800	166	1087	159	1131
186.crafty	1000	149	673	116	863
197.parser	1800	405	445	397	453
252.eon	1300	132	985	132	985
253.perlbmk	1800	259	694	259	694
254.gap	1100	147	746	147	746
255.vortex	1900	152	1246	152	1246
256.bzip2	1500	173	868	173	868
300.twolf	3000	292	1027	291	1031



Hardware

CPU:	POWER4
CPU MHz:	1300
FPU:	Integrated
CPU(s) enabled:	1 core, 8 chips, 2 cores/chip, 4 chips/MCM
CPU(s) orderable:	2,3,4 MCMs (order by # MCM)
Parallel:	None
Primary Cache:	64KBI+32KBD (on chip) per core
Secondary Cache:	1440KB unified (on chip) per chip
L3 Cache:	128MB unified (off Chip)
Other Cache:	None
Memory:	32GB
Disk Subsystem:	2x18GB 10000RPM
Other Hardware:	None

Software

Operating System:	AIX 5L V5.1
Compiler:	C: IBM VAC for AIX 6.0 BETA invoked as cc except where noted as xlc C++: IBM VAC++ for AIX 6.0 BETA 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:   -qpdf1/pdf2 -O5 -lhmu -qalign=natural
  C++: -qpdf1/pdf2 -O5 -lhmu -qalign=natural
Peak Optimization Flags
  164.gzip:    CC=/usr/vac/bin/xlc, -O4 -qpdf1/pdf2
  175.vpr:     -O4 -qarch=ppc -qtune=pwr3, fdpr -v -R3
  176.gcc:     basepeak=1
  181.mcf:     -O3 -lhmu  -qipa=partition=large, fdpr -v -R3
  186.crafty:  -O4 -q64, fdpr -v -R3
  197.parser:  -O5, fdpr -v -R3
  252.eon:     basepeak=1
  253.perlbmk: basepeak=1
```

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Notes/Tuning Information (Continued)

```
    254.gap:     basepeak=1
    255.vortex:  basepeak=1
    256.bzip2:   basepeak=1
    300.twolf:   CC=/usr/vac/bin/xlc, -O5 -qpdf1/pdf2 -lhmu  -qalign=natural
  fdpr: Feedback directed program restructuring tool
  APAR IY 22854 was applied to AIX 5L V5.1 to enable new hardware support.
  The final version of the beta compiler will be available by Dec-2002.
```