



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

IBM Corporation
IBM x306(3.0E GHz, Pentium 4 processor)

SPECint_rate2000 = 16.4
SPECint_rate_base2000 = 15.5

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Mar-2004 | Hardware Avail: Mar-2004 | Software Avail: Mar-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	208	15.6	2	208	15.6
175.vpr	2	323	10.0	2	322	10.1
176.gcc	2	130	19.6	2	128	19.9
181.mcf	2	337	12.4	1	158	13.2
186.crafty	2	177	13.1	2	177	13.1
197.parser	2	266	15.7	2	260	16.0
252.eon	2	175	17.2	2	149	20.3
253.perlbnk	2	272	15.4	1	115	18.2
254.gap	2	123	20.8	2	125	20.5
255.vortex	2	164	26.9	2	164	26.9
256.bzip2	2	273	12.8	2	270	12.9
300.twolf	2	556	12.5	1	203	17.2

Hardware

CPU: Intel Pentium 4 (800Mhz FSB)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper Threading Enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12kB(I) micro-ops + 16KB(D) on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x1GB PC3200 CL3 ECC DDR SDRAM UDIMM (Samsung)
Disk Subsystem: 1x80GB S-ATA 7200 RPM (Maxtor 6Y080M0)
Other Hardware: None

Software

Operating System: Windows Server 2003, Standard Edition (Build 3790)
Compiler: Intel C++ Compiler 8.0 Build 20040211Z
Microsoft Visual C++ .Net 2002 (for libraries)
SmartHeap Library Version 6.02 from <http://www.microquill.com/>
File System: NTFS
System State: Default

Notes/Tuning Information

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

ONESTEP=yes for all base and peak runs +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use (-QxP not used in PASS1)

Base tuning for C programs: -QxP -fast -Qansi_alias +FDO

Base tuning for C++ programs: -QxP -fast -GX -GR

Peak tuning:

164.gzip: -QxP -fast -Qansi_alias -Oa +FDO
175.vpr: -QxP -fast -Qansi_alias +FDO
176.gcc: -QxP -fast -Qansi_alias +FDO
181.mcf: -QxP -fast -Qansi_alias +FDO users=1
186.crafty: -QxP -fast -Qansi_alias -Oa +FDO
197.parser: -QxP -fast -Qansi_alias +FDO
252.eon: -QxP -O2 -Qipo +FDO
253.perlbnk: -QxP -fast -Qansi_alias +FDO shlw32M.lib users=1
254.gap: -QxP -fast -Qunroll11 -Zp8 +FDO
255.vortex: basepeak=yes



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

IBM Corporation
IBM x306(3.0E GHz, Pentium 4 processor)

SPECint_rate2000 = 16.4
SPECint_rate_base2000 = 15.5

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Mar-2004 | Hardware Avail: Mar-2004 | Software Avail: Mar-2004

Notes/Tuning Information (Continued)

```
256.bzip2:    -fast -Oa -Qunroll1 +FDO
300.twolf:    -QxP -fast -O3 +FDO shlw32M.lib users=1
Extra libraries:
shlw32M.lib MicroQuill SmartHeap Library 6.02, "www.microquill.com"
```

NOTE:
Hyper-Threading(ht) is enabled