



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM

IBM eServer 326m, 1.8 GHz Dual Core AMD Opteron(tm) Processor 265

SPECint2000 = 1324

SPECint_base2000 = 1168

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Nov-2005 | Hardware Avail: Oct-2005 | Software Avail: Jan-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	127	1098	128	1096	
175.vpr	1400	144	972	142	987	
176.gcc	1100	86.8	1268	86.3	1274	
181.mcf	1800	295	610	178	1010	
186.crafty	1000	62.4	1603	61.0	1639	
197.parser	1800	207	871	168	1073	
252.eon	1300	70.7	1839	59.5	2186	
253.perlbnk	1800	148	1219	128	1406	
254.gap	1100	89.9	1224	86.3	1275	
255.vortex	1900	103	1846	91.2	2083	
256.bzip2	1500	138	1088	138	1088	
300.twolf	3000	295	1018	224	1338	

Hardware

CPU: Dual Core AMD Opteron(tm) Processor 265
 CPU MHz: 1800
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 64KBI + 64KBD (on chip) per core
 Secondary Cache: 1024KB (I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 1024GB PC3200
 Disk Subsystem: SCSI, 36GB 15K RPM
 Other Hardware: None

Software

Operating System: SuSE Linux 9.0 SP2 SLES 64 bit Kernel 2.6.5-7.191-smp (SP2)
 Compiler: PathScale EKO Compiler Suite, Release 2.2.1
 File System: Linux/reiserfs
 System State: Multi-user, run level 3

Notes/Tuning Information

Tested by IBM Corporation

+FDO: PASS1= -fb_create fbdata PASS2= -fb_opt fbdata

Base tuning for C programs: -Ofast +FDO

Base tuning for C++ programs: -Ofast +FDO

Portability flags:

186.crafty: -DLINUX_i386

252.eon: -DHAS_ERRLIST -DSPEC_CPU2000_LP64

253.perlbnk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL

-DSPEC_CPU2000_GLIBC22 -DSPEC_CPU2000_LP64

254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO

-DSYS_HAS_CALLOC_PROTO -DSPEC_CPU2000_LP64

255.vortex: -DSPEC_CPU2000_LP64

Peak tuning:

164.gzip: -O3 -ipa -WOPT:val=0 -OPT:unroll_size=0 +FDO

175.vpr: -O3 -ipa -m32 +FDO

176.gcc: -O3 -IPA:plimit=10000 -LNO:opt=0 -OPT:goto=off +FDO

181.mcf: -O3 -ipa -IPA:field_reorder=on -m32 +FDO

186.crafty: -Ofast -CG:local_fwd_sched=on -LNO:opt=0 -WOPT:val=0 +FDO

197.parser: -O3 -ipa -m32 -IPA:ctype=on +FDO

252.eon: -Ofast -CG:gcm=off:p2align_freq=1:prefetch=off -IPA:plimit=4000

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM

IBM eServer 326m, 1.8 GHz Dual Core AMD Opteron(tm) Processor 265

SPECint2000 = 1324

SPECint_base2000 = 1168

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Nov-2005 | Hardware Avail: Oct-2005 | Software Avail: Jan-2005

Notes/Tuning Information (Continued)

```

-OPT:treeheight=on -TENV:X=4:frame_pointer=off -fno-exception
-LNO:fu=10:full_unroll_outer=on -GRA:optimize_boundary=on +FDO
253.perlbnk: -O2 -ipa -OPT:Ofast:transform_to_memlib=off
              -fno-math-errno -IPA:plimit=10000 +FDO
254.gap:      -Ofast -IPA:min_hotness=5 -OPT:alias=disjoint -CG:movnti=1 +FDO
255.vortex:   -Ofast -OPT:goto=off +FDO
256.bzip2:    basepeak=true
300.twolf:    -O2 -CG:gcm=off:p2align_freq=100000
              -OPT:ofast:unroll_times_max=8:unroll_size=256:alias=disjoint
              -WOPT:mem_opnds=on -m32 +FDO

```

BIOS Configuration Notes

Node Interleaving Disabled

Other Configuration Notes

Taskset utility used to bind process to CPU(s)