CINT2000 Result

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IBM

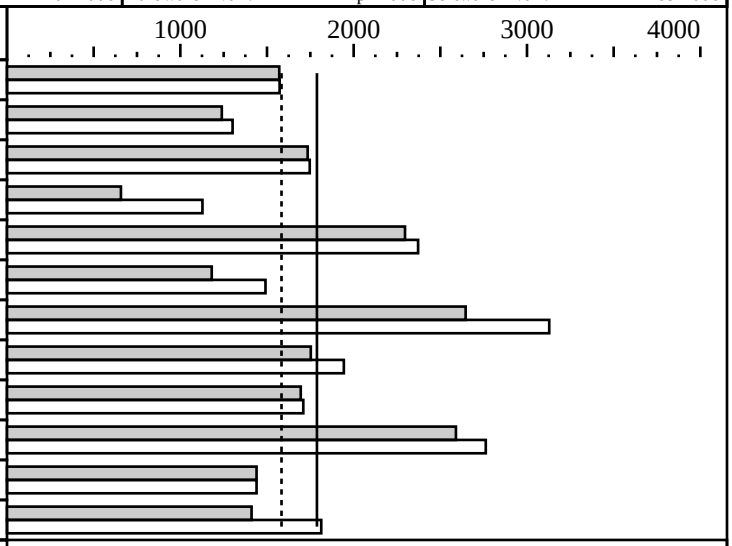
IBM eServer 326m, 2.6 GHz Dual Core AMD Opteron(tm) Processor 285

SPECint2000 = 1788

SPECint_base2000 = 1584

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Mar-2006 | Hardware Avail: Apr-2006 | Software Avail: Feb-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	89.1	1571	89.0	1573
175.vpr	1400	113	1239	108	1301
176.gcc	1100	63.4	1735	63.0	1746
181.mcf	1800	274	657	160	1128
186.crafty	1000	43.5	2296	42.2	2372
197.parser	1800	152	1181	121	1491
252.eon	1300	49.1	2646	41.6	3128
253.perlbmk	1800	103	1753	92.6	1943
254.gap	1100	64.9	1695	64.3	1709
255.vortex	1900	73.4	2590	68.8	2762
256.bzip2	1500	104	1440	104	1440
300.twolf	3000	213	1411	165	1813



Hardware

CPU:	AMD Opteron(tm) Processor 285
CPU MHz:	2600
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
Secondary Cache:	1024KB (I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 1024MB, 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 2.3 AMD Core Math Library 3.0.0
File System:	Linux/reiserfs
System State:	Multi-user, run level 3

Notes/Tuning Information

```
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 +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.perlbmk: -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
```

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Notes/Tuning Information (Continued)

```
                -OPT:treeheight=on -TENV:X=4:frame_pointer=off -fno-exceptions
                -LNO:fu=10:full_unroll_outer=on -GRA:optimize_boundary=on +FDO
  253.perlbmk:-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 is Disabled
Other Configuration Notes
   Taskset utility used to bind process to CPU(s)
```