



CINT2000 Result

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**Einix
A4800**

SPECint2000 = --
SPECint_base2000 = 960

SPEC license #: 49 Tested by: AMD Austin TX Test date: Apr-2003 Hardware Avail: Jul-2003 Software Avail: May-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	170	824		
175.vpr	1400	166	843		
176.gcc	1100	94.2	1168		
181.mcf	1800	283	635		
186.crafty	1000	90.1	1109		
197.parser	1800	189	952		
252.eon	1300	131	992		
253.perlbnk	1800	158	1136		
254.gap	1100	122	903		
255.vortex	1900	173	1098		
256.bzip2	1500	170	882		
300.twolf	3000	264	1137		

Hardware		Software	
CPU:	AMD Opteron 144, 1.8 GHz	Operating System:	SuSE Linux Enterprise Server 8 for x86
CPU MHz:	1800	Compiler:	SuSE optional package gcc33 (from SuSE Linux Enterprise Server 8 for AMD64) using -m32 to generate 32 bit code
FPU:	Integrated	File System:	ext2
CPU(s) enabled:	1 core, 1 chip, 1 core/chip	System State:	Run Level 3
CPU(s) orderable:	1,2,4		
Parallel:	No		
Primary Cache:	64KBI + 64KBD on chip		
Secondary Cache:	1 MB(I+D)		
L3 Cache:	N/A		
Other Cache:	N/A		
Memory:	4x512MB PC2700 DDR ECC Registered SDRAM CL2.5		
Disk Subsystem:	IDE 7200 RPM		
Other Hardware:	None		

Notes/Tuning Information

The binaries were built on SuSE Linux Enterprise Server 8 for AMD64

+FDO: PASS1=-fprofile-arcs PASS2=-fbranch-probabilities

Portability:

186.crafty: EXTRA_CFLAGS=-DLINUX_i386

252.eon: EXTRA_CXXFLAGS=-DHAS_ERRLIST -DFMAX_IS_DOUBLE

253.perlbnk: EXTRA_CFLAGS=-DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_GLIBC22

254.gap: EXTRA_CFLAGS=-DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO

Base C flags: -O3 -funroll-all-loops -m32 +FDO

Base C++ flags: -O3 -funroll-all-loops -m32 -ffast-math