



CINT2000 Result

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**Einix
A4800**

SPECint2000 = --
SPECint_base2000 = 1045

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	151	927			
175.vpr	1400	146	957			
176.gcc	1100	85.9	1280			
181.mcf	1800	310	581			
186.crafty	1000	64.0	1562			
197.parser	1800	209	863			
252.eon	1300	87.7	1483			
253.perlbnk	1800	156	1151			
254.gap	1100	114	965			
255.vortex	1900	159	1192			
256.bzip2	1500	154	972			
300.twolf	3000	301	997			

Hardware

CPU: AMD Opteron 144, 1.8 GHz
 CPU MHz: 1800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 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

Software

Operating System: SuSE Linux Enterprise Server 8 for AMD64
 Compiler: SuSE optional package gcc33
 File System: ext2
 System State: Run level 3

Notes/Tuning Information

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

Portability:

PORTABILITY=-DSPEC_CPU2000_LP64 is applied to all benchmarks.

176.gcc: Approved src.alt is used

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_ANSI -DSYS_HAS_CALLOC_PROTO

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

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