

Linux

Results for 100 000 cycles

Compilation Flags	WMIPS
-O3 -mtune=cortex-a8 -march=armv7-a -Wa,-march=armv7-a -ftree-vectorize -mfp=neon -Wa,-mfp=neon -mfloat-abi=softfp -fno-builtin -lm	169.5
-O3 -mtune=cortex-a8 -march=armv7-a -Wa,-march=armv7-a -ftree-vectorize -mfp=neon -Wa,-mfp=neon -mfloat-abi=softfp -lm	277.8
-O3 -mtune=cortex-a8 -march=armv7-a -Wa,-march=armv7-a -ftree-vectorize -mfp=neon -Wa,-mfp=neon -mfloat-abi=softfp -ffast-math -funroll-loops -fomit-frame-pointer	3333.3

QNX

Results for 100 000 cycles

Compilation Flags	libm.so.2 / WMIPS	libm-vfp.so.2 / WMIPS
-O3 -mtune=cortex-a8 -march=armv7-a -Wa,-march=armv7-a -ftree-vectorize -mfp=neon -Wa,-mfp=neon -mfloat-abi=softfp -fno-builtin -lm	93.7	207.7
-O3 -mtune=cortex-a8 -march=armv7-a -Wa,-march=armv7-a -ftree-vectorize -mfp=neon -Wa,-mfp=neon -mfloat-abi=softfp -lm	126.8	227.8
-O3 -mtune=cortex-a8 -march=armv7-a -Wa,-march=armv7-a -ftree-vectorize -mfp=neon -Wa,-mfp=neon -mfloat-abi=softfp -ffast-math -funroll-loops -fomit-frame-pointer	3939.2	3939.2