EM
BC ®

An Industry-Standard Benchmark Consortium

AutoBench™ Version 1.1   Benchmark Name: Finite Impulse Response (FIR) Filter

Benchmark Description

This EEMBC benchmark algorithm simulates an embedded automotive/industrial application where the CPU performs a Finite Impulse Response (FIR) filtering sample on 16-bit or 32-bit fixed-point values. High- and low-pass FIR filters simply process the input signal data.

Optimization Rules

Category	Allowed	Disallowed
ANSI C	X	
Intrinsics/Language Extensions	X	
Custom Libraries	X	
Assembly Language	X	
HW Accelerators	X	

Algorithm Flowchart