It simply works!

SEGGER releases Floating-Point Library for RISC-V

Monheim, Germany – February 4th, 2020

SEGGER's stand-alone Floating-Point Library is now extended by an assembly-optimized variant for RISC-V.

The floating-point library contains the complete set of arithmetic functions, hand coded and fully optimized in assembly language for RISC-V. The complete set of high-level mathematical functions is written in C, and uses advanced algorithms to maximize performance.

All functionality is fully verified, for both single and double precision operations.

The RISC-V variant, like the variant for ARM, is optimized for both high speed and small code size. The balance between size and speed can be configured at library build time.
The SEGGER Floating-Point Library for RISC-V is much smaller than equivalent open-source libraries while achieving up to 100 times the performance on some operations.

SEGGER's Floating-Point Library is also a part of the SEGGER Runtime Library and already included in Embedded Studio.

For details on what makes a thoughtfully designed runtime library different from a run-of-the-mill runtime library, refer to SEGGER Runtime Library webpage: https://www.segger.com/runtime-library

For more information on the SEGGER Floating-Point Library see https://www.segger.com/floating-point-library
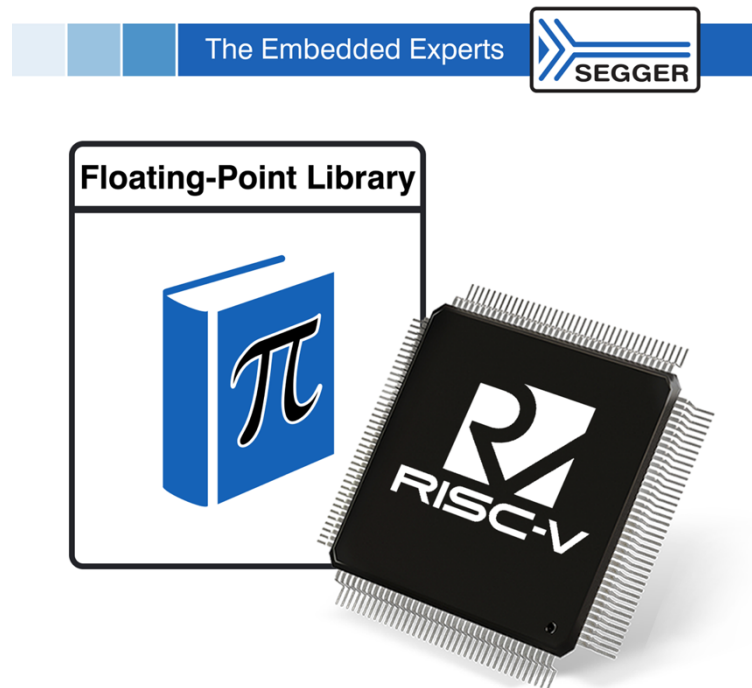
For performance data see https://wiki.segger.com/SEGGER_Floating-Point_Library

To experience it, download Embedded Studio (Windows, Linux and macOS): https://www.segger.com/downloads/embedded-studio

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About SEGGER

SEGGER Microcontroller has over twenty-five years of experience in Embedded Computer Systems, producing state-of-the-art software libraries, and offering a full set of hardware tools (for development and production) and software tools.

SEGGER provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using SEGGER software libraries gives developers a head start, benefiting from decades of experience in the industry.

SEGGER's professional software libraries and tools for Embedded System development are designed for simple usage and are optimized for the requirements imposed by resource-constrained embedded systems. The company also supports the entire development process with affordable, high-quality, flexible, easy-to-use tools.

The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. SEGGER also has a U.S. office in the Boston area and branch operations in Silicon Valley and the UK, plus distributors on most continents, making SEGGER's full product range available worldwide.

Why SEGGER?

In short, SEGGER has a full set of tools for embedded systems, offers support through the entire development process, and has decades of experience as the Embedded Experts.

In addition, SEGGER software is not covered by an open-source or required-attribution license and can be integrated in any commercial or proprietary product, without the obligation to disclose the combined source.

Finally, SEGGER offers stability in an often volatile industry making SEGGER a very reliable partner for long-term relationships.

For additional information please visit: www.segger.com

It simply works!

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