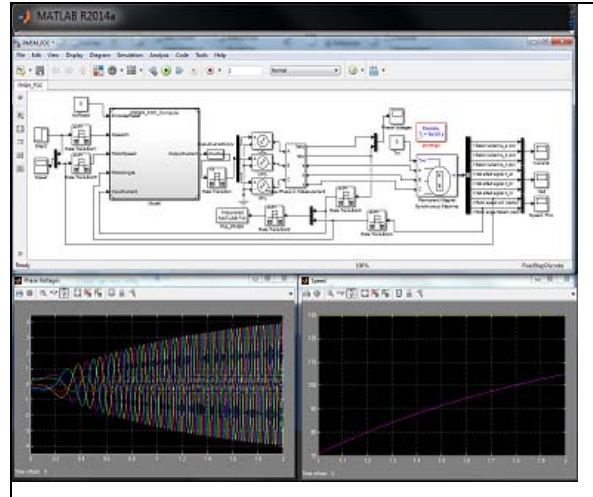


STM32 embedded target for MATLAB and Simulink

Data brief

Features

- Simulink applications configuration for STM32 microcontrollers.
- STM32 configuration is done with STM32CubeMX
- Automatic "C" code generation for STM32 is based on STM32Cube HAL libraries.
- Processor In the Loop (PIL) with USART RTioStream
- Reporting:
 - Code generation
 - Code execution profiling
- STM32 peripherals Simulink library models



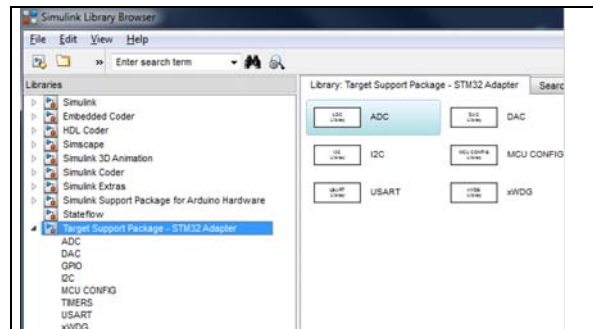
Description

The STM32 Embedded Target enables you to quickly deploy your application models in MATLAB and Simulink to STM32 MCUs.

STM32-MAT/TARGET allows running Simulink applications models for STM32 MCUs.

In a first step, run Simulink application models, using Processor In the Loop (PIL) configuration and USART communication link. Results are the Code generation report and the Code execution profiling report.

In a second step, STM32 Embedded Target provides a Simulink blockset library, containing STM32 peripherals, to manage peripherals data. The generated code can be built and downloaded on the target.



1 Ordering Information

STM32 embedded target for MATLAB and Simulink are available for free download from www.st.com/stm32-mat-target.

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
04-Apr-2013	1	Initial release.
17-Jun-2014	2	Added STM32F302xBxC/STM32F303xBxC.
17-Dec-2014	3	Updated <i>Features</i> and <i>Description</i> to apply content to STM32 MCUs.

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