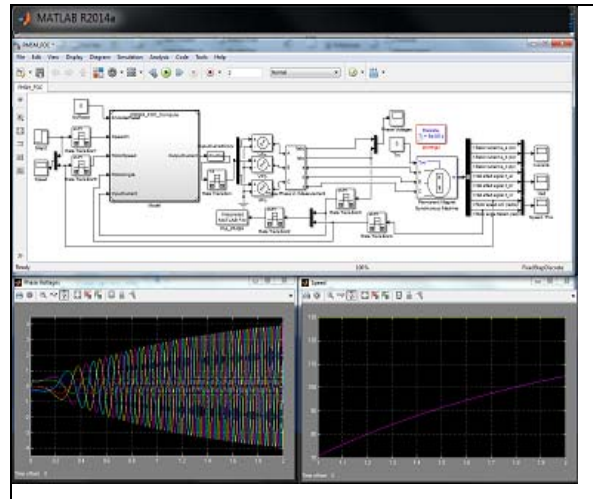


STM32 embedded target for MATLAB and Simulink

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



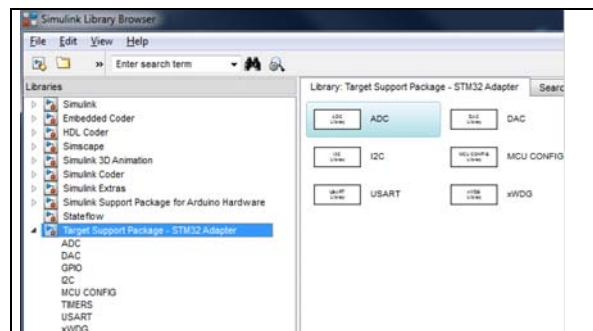
Description

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.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2014 STMicroelectronics – All rights reserved