

### WHAT IS φCHECK

- A designed for engineers dealing with Matlab-Simulink and modeling. It extends the capabilities of the software to verify models on specific rules.
- Fully integrated into Matlab/Simulink environment and allows checking native Simulink model or Simulink model with various libraries (φSim, TargetLink ...).
- Extendable and customizable, allows easily adding its own checks in φCheck.
- Easily integrated in its own Matlab tools or ModelAdvisor of Mathworks (Automatic customization thanks to φCheck).
- Easily to solve issue with the automatic selection of the concerned block in the model.
- Save the result of each analysis in Excel or HTML file.
- Allow the user to correct some issues found by φCheck automatically (Optional).

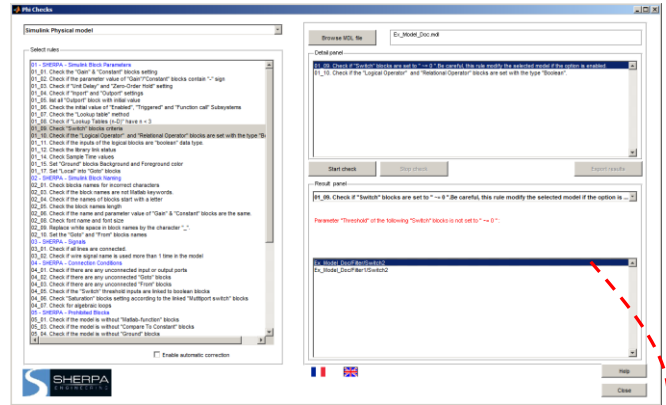
### HIGHLIGHTS

- Compatible with various libraries
- Fully integrated within Matlab and Simulink
- Automatic selection of blocks with errors
- Compatible with ModelAdvisor or its own Matlab tools
- Results storage
- Automatic correction (Optional)

### φCHECK TOOL

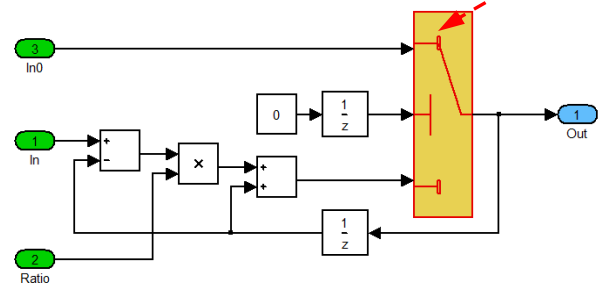
#### φCheck

- φCheck interface allows selecting all rules or specific rules to perform on the selected model.
- A description is provided in the φCheck interface to describe briefly each selected check.
- After the analysis, by selecting a rule, all issues are listed and this interface automatically selects the block in default by clicking one issue.



φCheck interface

### Example of Model to check



First order filter model

- First order filter with a switch without the configuration "u2 ≈= 0".

### CONTACTS



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