Requirements for a Model Checker for Matlab/Simulink

In the context of the diploma thesis *Requirements for a Model Checker for Matlab/Simulink* (Anforderungen an einen Modelchecker für Matlab/Simulink) a model suite has been developed that enables the evaluation of model checkers for Matlab/Simulink in short time.

**Motivation**

After having set the requirements, the question now is how we can check whether and which model checkers meet them. Two points are important:

1. The evaluation must be performed in short time without the need of reading the documentation extensively.
2. The results of several such evaluations must be comparable.

**Current Scope**

Currently the suite contains

- models for checking the syntactical abilities of model checkers,
- models for measuring the efficiency of model checkers,
- a simulink library containing the models' basic elements and
- a process model, that guides the user during the evaluation of a model checker.

**Further Information**

- If you are interested in the suite, please contact Jacob Palczynski. The suite will be available for download on this page soon.

**Contact**

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