

**SBMLToolbox**

for MATLAB®

**Release 2.0.2**

**Coming soon ...**

Distributed freely under the terms  
of the GNU LGPL.

**SBML**

**The Systems Biology  
Markup Language**

[www.sbml.org](http://www.sbml.org)

# Features

# Simulation

**Reaction**

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Address C:\SBMLtoolbox\libSBML API\Reaction

Name	Type	Date Modified
CVS	File Folder	17/10/2005 07:39
Contents	MATLAB M-file	12/02/2005 13:40
Reaction_addModifier	MATLAB M-file	09/02/2005 16:26
Reaction_addProduct	MATLAB M-file	09/02/2005 16:26
Reaction_addReactant	MATLAB M-file	09/02/2005 16:26
Reaction_create	MATLAB M-file	17/10/2005 07:39
Reaction_getFast	MATLAB M-file	09/02/2005 16:26
Reaction_getId	MATLAB M-file	09/02/2005 16:26
Reaction_getKineticLaw	MATLAB M-file	09/02/2005 16:26
Reaction_getListOfModifiers	MATLAB M-file	09/02/2005 16:26
Reaction_getListOfProducts	MATLAB M-file	09/02/2005 16:26
Reaction_getListOfReactants	MATLAB M-file	09/02/2005 16:26
Reaction_getModifier	MATLAB M-file	09/02/2005 16:26
Reaction_getModifierById	MATLAB M-file	09/02/2005 16:26
Reaction_getName	MATLAB M-file	09/02/2005 16:26
Reaction_getNumModifiers	MATLAB M-file	09/02/2005 16:26
Reaction_getNumProducts	MATLAB M-file	09/02/2005 16:26
Reaction_getNumReactants	MATLAB M-file	09/02/2005 16:26
Reaction_getParameterNamesAn...	MATLAB M-file	12/02/2005 12:55
Reaction_getParameterUniqueN...	MATLAB M-file	12/02/2005 12:55
Reaction_getProduct	MATLAB M-file	09/02/2005 16:26

**Model**

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Address C:\SBMLtoolbox\libSBML API\Model

Name	Type	Date Modified
CVS	File Folder	17/10/2005 07:39
Contents	MATLAB M-file	12/02/2005 13:39
Model_addCompartment	MATLAB M-file	09/02/2005 16:26
Model_addEvent	MATLAB M-file	09/02/2005 16:26
Model_addFunctionDefinition	MATLAB M-file	09/02/2005 16:26
Model_addParam	MATLAB M-file	09/02/2005 16:26
Model_createAssignmentRule	MATLAB M-file	09/02/2005 16:26
Model_createCompartment	MATLAB M-file	09/02/2005 16:26
Model_createCompartmentVolumeRule	MATLAB M-file	09/02/2005 16:26
Model_createEvent	MATLAB M-file	09/02/2005 16:26

**MATLAB**

File Edit Debug Desktop Window Help

Current Directory: C:\libsbml\src\validator\test\test-data

```
>> Model = TranslateSBML

*****
This model contains errors
16: (903) The variables (LHS) for Rules must be unique (L2v1 Section 4.8.4). The AssignmentRule variable
'c' conflicts with the previously defined AssignmentRule variable 'c' at line 15.

Do you want to load the model anyway? Enter y/n
```

Start Waiting for input

# Emphasis

- NOT a systems biology toolbox
- provide import/export between SBML and MATLAB
- provide examples of how MATLAB functionality can be applied

# Over to you ...

