

Test cases

Generating tests

category: Test
synopsis: Basic single reaction involving two species and a non-unity stoichiometry.
componentTags: Compartment, Species, Reaction, Parameter
testTags: InitialAmount, NonUnityStoichiometry
testType: TimeCourse
levels: 1.2, 2.1, 2.2, 2.3

```
newcase[ "00003" ];
```

```
addCompartment[ compartment, size -> 1 ];
```

```
addSpecies[ S1, initialAmount -> 1.5 10^-15 ];
```

```
addSpecies[ S2, initialAmount -> 0 ];
```

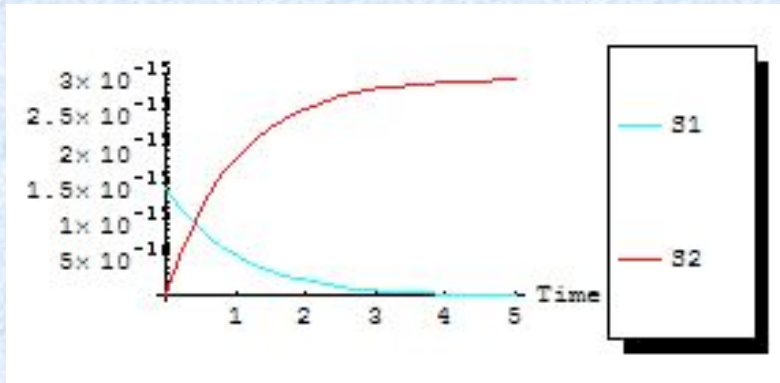
```
addParameter[ k1, value -> 1 ];
```

```
addReaction[ S1 -> 2 S2, reversible -> False,  
             kineticLaw -> k1 * S1 * compartment ];
```

```
makemodel[]
```



MathSBML



SBML

CSV

L2V2
L2V1
L1V2

Settings

Description
HTML



SBMLToolbox



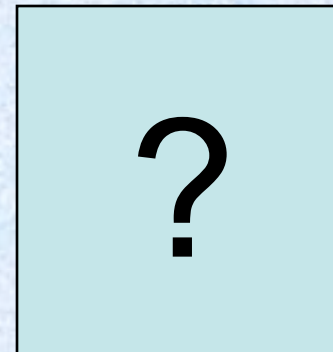
MathSBML



SBMLToolbox



??????



??????

componentTags

FunctionDefinition

UnitDefinition

InitialAssignment

AssignmentRule

RateRule

AlgebraicRule

Constraint

EventWithDelay

EventNoDelay

Compartment

Species

Reaction

Parameter

testTags

2D-Compartment

1D-Compartment

0D-Compartment

NonConstantCompartment

NonUnityCompartment

MultiCompartment

InitialAmount

InitialConcentration

HasOnlySubstanceUnits

BoundaryCondition

ConstantSpecies

NonConstantParameter

...

Stochastic

Darren/Colin ???

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