

## CoCoALib - Feature #1090

### ExternalLib-MathSAT: first prototype

12 Jul 2017 18:47 - Anna Maria Bigatti

<b>Status:</b>	Closed	<b>Start date:</b>	12 Jul 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	29 Jul 2017
<b>Assignee:</b>	Anna Maria Bigatti	<b>% Done:</b>	100%
<b>Category:</b>	New Function	<b>Estimated time:</b>	30.00 hours
<b>Target version:</b>	CoCoALib-0.99560	<b>Spent time:</b>	29.00 hours
<b>Description</b>			
<b>Related issues:</b>			
Related to CoCoA-5 - Design #1091: ExternalLib-MathSAT: (first) prototype CoCo...		<b>Closed</b>	<b>13 Jul 2017</b>

#### History

##### #1 - 12 Jul 2017 18:53 - Anna Maria Bigatti

- % Done changed from 0 to 60
- Estimated time changed from 20.00 h to 30.00 h

Cleaned up first prototype (0.99550), all in example into a more proper integration in ExternalLib-MathSAT. The example ex-MathSAT1.C is more readable now.

##### #2 - 14 Jul 2017 11:04 - Anna Maria Bigatti

- Related to Design #1091: ExternalLib-MathSAT: (first) prototype CoCoA-5 interface for MathSAT added

##### #3 - 14 Jul 2017 11:16 - Anna Maria Bigatti

- % Done changed from 60 to 70

I made a class `MathSAT::env` as a wrapper for `msat_env`

The interface is currently only via matrices.  
See examples/ex-MathSAT1.C

##### #4 - 09 Nov 2017 14:09 - Anna Maria Bigatti

- Status changed from New to Resolved
- % Done changed from 70 to 80

Polish the examples (remove obsolete ones) and consider this done for this stage.

##### #5 - 15 Dec 2017 17:04 - Anna Maria Bigatti

- % Done changed from 80 to 90

Cleaned up examples (now 2 examples).

##### #6 - 15 Dec 2017 17:35 - Anna Maria Bigatti

Added documentation in CoCoALib

**#7 - 15 Dec 2017 18:09 - Anna Maria Bigatti**

added documentation in cocoa-5

**#8 - 19 Dec 2017 07:50 - Anna Maria Bigatti**

- *Status changed from Resolved to Closed*

- *% Done changed from 90 to 100*