Engaging with the COBRA Toolbox community

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Reviewers:

Search for existing solutions to problems

> Checking if remote can be reached ... Done.
> Initializing and updating submodules ... Done.

- The Frequently Asked Questions (FAQ) section of the documentation (https://opencobra.github.io/cobratoolbox/docs/FAQ.html) is a good starting point to find answers to questions you may have or issues you may face.
- The public forum associated with The COBRA toolbox, available at https://groups.google.com/forum/#!forum/cobra- toolbox, is a great way to search for solutions to previously recognised problems that are similar to problems novel to the user. This is especially so with respect to recent installation and configuration issues that have arisen due to asynchronous development of the many software packages integrated with The COBRA Toolbox.

Register online

Before posting a question to a problem, an application for membership at https://groups.google.com/forum/#!forum/cobra-toolbox is required to eliminate spam.

Facing an issue?

Post your question online to the COBRA Toolbox forum at https://groups.google.com/forum/#!forum/cobra-toolbox. Questions posted to the forum are welcome provided that some simple guidelines are followed to encourage a rapid and effective response from the community.

- 1. Make the question as detailed as possible to increase the probability of a rapid and helpful reply.
- 2. Append your message with the result of running <code>generateSystemConfigReport</code> so that we know what system we are helping you to debug. That is often the first question that comes to mind when considering to respond.

- > Adding all the files of The COBRA Toolbox ... Done.
- > Define CB map output... set to svg.
- > Retrieving models ... Done.
- > TranslateSBML is installed and working properly.
- > Configuring solver environment variables ...
 - [--*-] ILOG CPLEX PATH: ~/Applications/IBM/ILOG/CPLEX Studio1271/cplex/matlab/x86-64 osx
 - [---*] GUROBI PATH: /Library/gurobi702/mac64/matlab
 - [----] TOMLAB PATH : --> set this path manually after installing the solver (see instructions)
 - [----] MOSEK PATH : --> set this path manually after installing the solver (see instructions)
- > Checking available solvers and solver interfaces ... Done.
- > Setting default solvers ... Done.
- > Saving the MATLAB path ... Done.
 - The MATLAB path was saved in the default location.
- > Summary of available solvers and solver interfaces

Support	LP MILP	QP	MIQP	NLP				
cplex_direct	full		0	0	0	0	-	
dqqMinos	full		1	-	-	-	-	
glpk	full		1	1	-	-	-	
gurobi	full		1	1	1	1	-	
ibm_cplex	full		1	1	1	-	-	
matlab	full		1	-	-	-	1	
mosek	full		0	0	0	-	-	
pdco	full		1	-	1	-	-	
quadMinos	full		1	-	-	-	1	
tomlab_cplex	full		0	0	0	0	-	
qpng	experimen	tal	-	-	1	-	-	
tomlab_snopt	experimen	tal	-	-	-	-	0	
gurobi_mex	legacy		0	0	0	0	-	
lindo_old	legacy		0	-	-	-	-	
lindo_legacy	legacy		0	-	-	-	-	
lp_solve	legacy		1	-	-	-	-	
opti	legacy		0	0	0	0	0	
Total	-		8	3	4	1	2	

+ Legend: - = not applicable, 0 = solver not compatible or not installed, 1 = solver installed.

```
> You can solve LP problems using: 'dqqMinos' - 'glpk' - 'gurobi' - 'ibm_cplex' - 'matlab' - 'pdco' -
> You can solve MILP problems using: 'glpk' - 'gurobi' - 'ibm_cplex'
> You can solve QP problems using: 'gurobi' - 'ibm_cplex' - 'pdco' - 'qpng'
```

> You can solve MIQP problems using: 'gurobi'

> You can solve NLP problems using: 'matlab' - 'quadMinos'

- > Checking for available updates ...
- > There are 438 new commit(s) on <master> and 13 new commit(s) on <develop> [53ffeb @ engaging]
- > You can update The COBRA Toolbox by running updateCobraToolbox() (from within MATLAB).

Elapsed time is 32.028399 seconds.

MATLAB Version: 9.1.0.441655 (R2016b)

MATLAB License Number: 886910

Operating System: Mac OS X Version: 10.12.5 Build: 16F73

Java Version: Java 1.7.0 75-b13 with Oracle Corporation Java HotSpot(TM) 64-Bit Server VM mixed mode

MATLAB	Version 9.	1 (R2016b)	
Simulink	Version 8.	8 (R2016b)	
Aerospace Blockset	Version 3.	18 (R2016b)	
Aerospace Toolbox	Version 2.	18 (R2016b)	
Antenna Toolbox	Version 2.	1 (R2016b)	
Bioinformatics Toolbox	Version 4.	7 (R2016b)	
Communications System Toolbox	Version 6.	3 (R2016b)	
Computer Vision System Toolbox	Version 7.	2 (R2016b)	
Control System Toolbox	Version 10	(R2016b)	

Curve Fitting Toolbox	Version	3.5.4	(R2016b)
DSP System Toolbox	Version	9.3	(R2016b)
Database Toolbox	Version		(R2016b)
Datafeed Toolbox	Version		(R2016b)
Econometrics Toolbox	Version		(R2016b)
Embedded Coder	Version	6.11	(R2016b)
Filter Design HDL Coder	Version		(R2016b)
Financial Instruments Toolbox	Version		(R2016b)
Financial Toolbox	Version		(R2016b)
Fixed-Point Designer	Version	5.3	(R2016b)
Fuzzy Logic Toolbox	Version	2.2.24	(R2016b)
Global Optimization Toolbox	Version	3.4.1	(R2016b)
HDL Coder	Version		(R2016b)
Image Acquisition Toolbox	Version		(R2016b)
Image Processing Toolbox	Version		(R2016b)
Instrument Control Toolbox	Version	3.10	(R2016b)
LTE System Toolbox	Version	2.3	(R2016b)
MATLAB Coder	Version	3.2	(R2016b)
MATLAB Compiler	Version		(R2016b)
	Version		
MATLAB Compiler SDK			(R2016b)
MATLAB Report Generator	Version	5.1	(R2016b)
Mapping Toolbox	Version	4.4	(R2016b)
Model Predictive Control Toolbox	Version	5.2.1	(R2016b)
Neural Network Toolbox	Version	9.1	(R2016b)
Optimization Toolbox	Version		(R2016b)
	Version		(R2016b)
Parallel Computing Toolbox			
Partial Differential Equation Toolbox	Version		(R2016b)
Phased Array System Toolbox	Version	3.3	(R2016b)
RF Toolbox	Version	3.1	(R2016b)
Robotics System Toolbox	Version	1.3	(R2016b)
Robust Control Toolbox	Version		(R2016b)
Signal Processing Toolbox	Version		(R2016b)
SimBiology	Version		(R2016b)
SimEvents	Version		(R2016b)
SimRF	Version	5.1	(R2016b)
Simscape	Version	4.1	(R2016b)
Simscape Driveline	Version	2.11	(R2016b)
Simscape Electronics	Version		(R2016b)
Simscape Fluids	Version		(R2016b)
Simscape Multibody	Version		(R2016b)
Simscape Power Systems	Version		(R2016b)
Simulink 3D Animation	Version	7.6	(R2016b)
Simulink Coder	Version	8.11	(R2016b)
Simulink Control Design	Version	4.4	(R2016b)
Simulink Design Optimization	Version		(R2016b)
Simulink Design Verifier	Version		(R2016b)
Simulink Desktop Real-Time	Version		(R2016b)
Simulink Report Generator	Version	5.1	(R2016b)
Simulink Test	Version	2.1	(R2016b)
Simulink Verification and Validation	Version	3.12	(R2016b)
Stateflow	Version		(R2016b)
Statistics and Machine Learning Toolbox	Version		(R2016b)
Symbolic Math Toolbox	Version		
			(R2016b)
System Identification Toolbox	Version		(R2016b)
Trading Toolbox	Version		(R2016b)
Wavelet Toolbox	Version	4.17	(R2016b)

> Default shell : /bin/bash
> Version of shell : GNU bash, version 3.2.57(1)-release (x86_64-apple-darwin16) Copyright (C) 2007 Free Software Foundation, Inc.

Generally, responses to questions can be expected within 1-2 days of posting, provided that posting guidelines are followed.

Suggest new solutions to problems

Reply to a question online COBRA toolbox forum. Community contributions are welcomed to help users overcome any issues they face and are noticed by existing COBRA community members.