



Question:

Which products of MathWorks® have to be installed to use Simulink® models with LABCAR-OPERATOR?



Answer:

The minimum required installation of MATLAB® and Simulink® for LABCAR-OPERATOR is:

- MATLAB®
- Simulink®
- Simulink® Coder™ (formerly Real Time Workshop)

The information of current installed MathWorks® products on a system could be checked with the Matlab command "ver".

See example below:

```
>>ver
MATLAB Version 7.13.0.564 (R2011b)
MATLAB License Number: xxxxxx
Operating System: Microsoft Windows 7 Version 6.1 (Build 7601: Service Pack 1)
Java VM Version: Java 1.6.0_17-b04 with Sun Microsystems Inc. Java HotSpot(TM)
Client VM mixed mode
MATLAB
                                        Version 7.13
                                                            (R2011b) -- required
Simulink
                                        Version 7.8
                                                            (R2011b) -- required
                                                            (R2011b) -- optional
Fixed-Point Toolbox
                                        Version 3.4
MATLAB Coder
                                        Version 2.1
                                                            (R2011b) -- optional
Neural Network Toolbox
                                        Version 7.0.2
                                                            (R2011b) -- optional
Simulink Coder
                                        Version 8.1
                                                            (R2011b) -- required
Stateflow
                                        Version 7.8
                                                            (R2011b) -- optional
```

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Additional information:

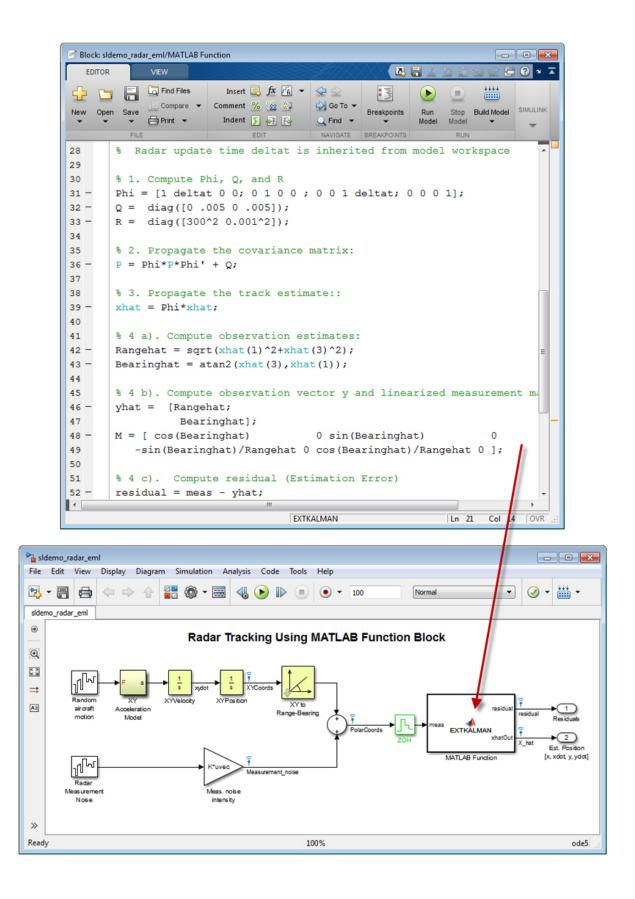
MATLAB® Coder™ is not required, except in the case that the models used in LABCAR implement code algorithms that are written in MATLAB® and called using the MATLAB® Function block.

The MATLAB® Function block for simulation and code generation allows to add MATLAB® algorithms written in the MATLAB® subset for integrating MATLAB® code into Simulink® models.

A basic example is depicted next.

The Simulink® model in this example is taken from the Simulink® demo examples and uses a MATLAB® function Block, which algorithm (a Kalman filter) is written in MATLAB® subset.









In case of further questions:

You will find further FAQ here: www.etas.com/en/faq

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