Today :

Tomorrow:

Later:

----------------------------Notes--------------------------------------------------

numel: Number of array elements

syntax: n = numel(A)

description: n = numel([A](https://localhost:31515/static/help/matlab/ref/numel.html?overload=(matlab)/numel+false&snc=HU0BJM#btl24wx-1-A)) returns the number of elements, n, in array A, equivalent toprod(size(A)).

**MATLAB** is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation.

A **simulation** is an approximate imitation of the operation of a process or system;[1] the act of simulating first requires a model to be developed. This model is a well-defined description of the simulated subject, and represents its key characteristics, such as its behaviour, functions and abstract or physical properties. The model represents the system itself, whereas the simulation represents its operation over time.

Like MATLAB, Simulink is developed by MathWorks. Simulink is a programming platform created for modelling, simulating and analyzing dynamical systems. As you would imagine, Simulink is highly integrated with MATLAB, and its primary user interface is a graphical block diagramming tool. Simulink is used mainly in digital signal processing, and automatic control for model-based designs.