

The image shows the MATLAB Live Editor interface. The top toolbar includes buttons for File (New, Open, Save, Compare, Print), Navigate (Go To, Find), Text (Normal, Bold, Italic, Underline, Monospace), Code (Control, Refactor), Section (Run Section, Run and Advance, Run to End), and Run (Run, Step, Stop). The Run button is circled in pink. On the left, the file 'Tutorial0.mlx' is open, and a red disk icon with a white exclamation mark is circled in pink. The main editor area shows the code for 'Tutorial 0: Some Matlab basics'. A light blue bar on the left side of the code editor is highlighted. The code defines a matrix A and a vector x, and then calculates the product A*x. The output of the code is displayed on the right side of the editor.

Tutorial0.mlx *

Tutorial 0: Some Matlab basics

In this tutorial you will learn some basic Matlab commands, such as how to enter matrices and vectors.

Entering and multiplying matrices and vectors

You enter a matrix by using square brackets and then just type the rows:

```
1 A = [1 2 3
2     4 5 6];
```

Adding the semicolon (;) at the end of the line suppresses the output.

```
3 A = [1 2 3
4     4 5 6]
```

Vectors can also be entered in this way:

```
5 x = [1
6      2
7      3];
```

You can multiply matrices and vectors by using the *

```
8 A*x
```

The red disk and white exclamation point indicate that there is an error

Push to run all the code. But it will only run until an error occurs. You can then run individual sections below where the error occurred.

Press the light blue bar to execute code in this section

A = 2x3

1	2	3
4	5	6

ans = 2x1

14
32

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