

MATLAB_繪圖範例

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MATLAB繪圖指令及範例

- 繪圖指令範例查看：

Command Window輸入demo

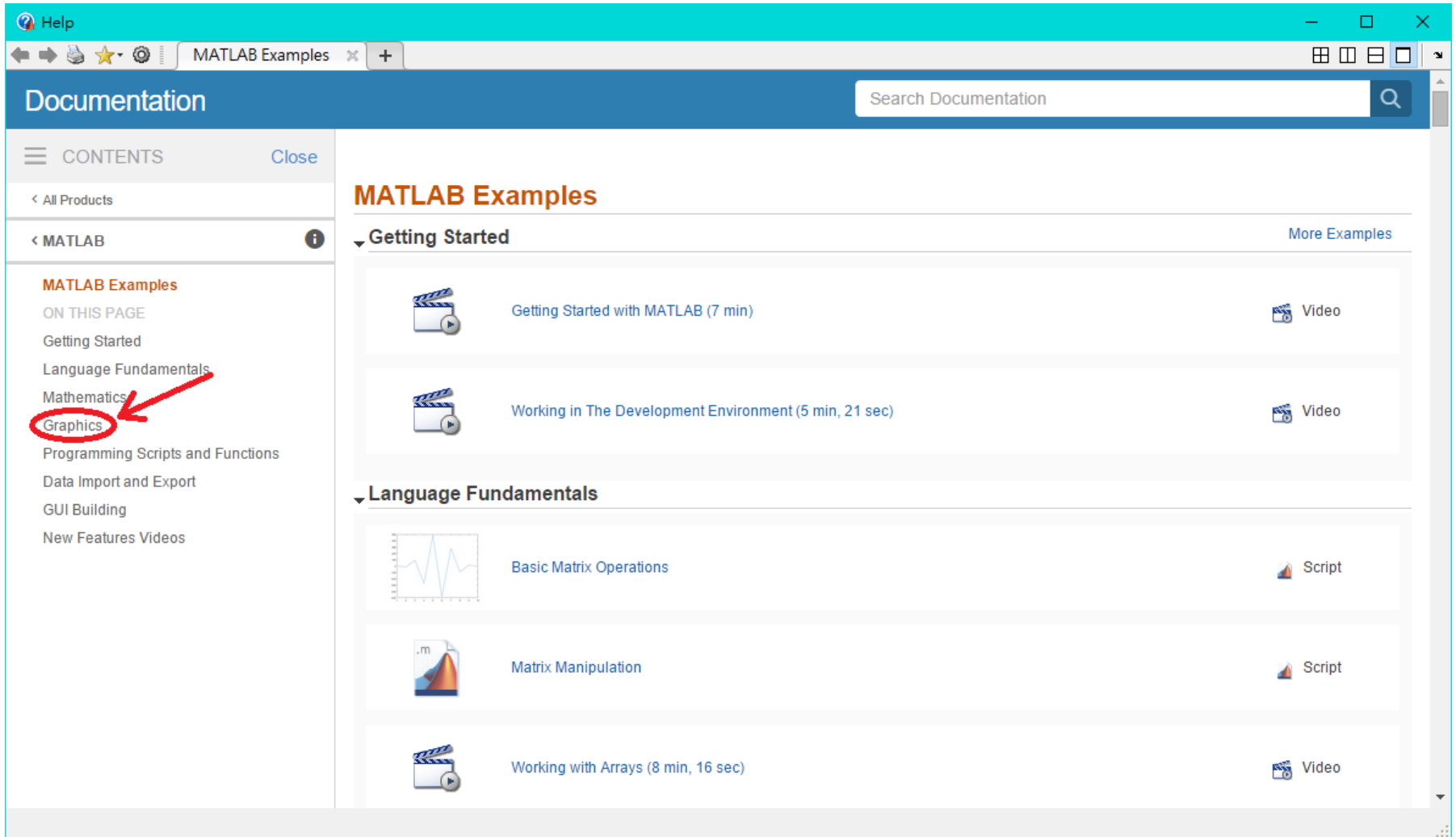
- 左側欄選取Graphics

- 說明

其中有包含2D、3D等繪圖指令及範例

MATLAB繪圖指令及範例

•>>demo



The screenshot displays the MATLAB Documentation website. The left sidebar contains a 'CONTENTS' menu with the following items: 'All Products', 'MATLAB', 'MATLAB Examples', 'ON THIS PAGE', 'Getting Started', 'Language Fundamentals', 'Mathematics', 'Graphics' (circled in red with a red arrow pointing to it), 'Programming Scripts and Functions', 'Data Import and Export', 'GUI Building', and 'New Features Videos'. The main content area is titled 'MATLAB Examples' and is divided into sections: 'Getting Started' (with a 'More Examples' link) and 'Language Fundamentals'. Under 'Getting Started', there are two video entries: 'Getting Started with MATLAB (7 min)' and 'Working in The Development Environment (5 min, 21 sec)'. Under 'Language Fundamentals', there are three entries: 'Basic Matrix Operations' (Script), 'Matrix Manipulation' (Script), and 'Working with Arrays (8 min, 16 sec)' (Video).

MATLAB繪圖指令及範例

The screenshot displays the MATLAB Documentation website in a browser window. The page title is 'Documentation' and it includes a search bar. The left sidebar shows a 'CONTENTS' menu with 'Graphics' highlighted in red. The main content area is titled 'Graphics' and lists several resources under the '2-D Plots' category:

- Creating a Basic Plot Interactively (3 min, 56 sec)** - Video
- Using Basic Plotting Functions (5 min, 52 sec)** - Video
- Creating 2-D Plots** - Script
- Creating Plots with Two y-Axes** - Script
- Displaying Multiple Plots in a Single Figure** - Script

The URL at the bottom of the browser window is `file:///D:/Applications/MATLAB/help/matlab/examples.html#graphics`.

MATLAB繪圖指令及範例

```
>>figure  
>>x=0:0.05:5;  
>>y=sin(x.^2);  
>>plot(x,y)
```

- < All Products
- < MATLAB i
- < MATLAB Examples
- < Graphics
- Creating 2-D Plots**
- ON THIS PAGE
- Line Plots
- Bar Plots
- Stairstep Plots
- Errorbar Plots
- Polar Plots
- Stem Plots
- Scatter Plots

Creating 2-D Plots

This example shows how to create a variety of 2-D plots in MATLAB®.

- [Line Plots](#)
- [Bar Plots](#)
- [Stairstep Plots](#)
- [Errorbar Plots](#)
- [Polar Plots](#)
- [Stem Plots](#)
- [Scatter Plots](#)

Line Plots

The `plot` function creates simple line plots of x and y values.

```
figure  
x = 0:0.05:5;  
y = sin(x.^2);  
plot(x,y)
```

