

### Task 1

### Task 2

You can apply a filter  $f$  to an image  $I$  by using the `lefilter` function:

```
f(I) = lefilter(I,f);
```

**TASK**

Apply the filter  $f$  to the grayscale image  $g$ . Store the result in  $gsmooth$ .

Hint See Solution Reset

Submit Test task

**Test Results: Correct**

- ✓ Does `gsmooth` exist?
- ✓ Does `gsmooth` contain the filtered image?

### Task 3

### Task 4

### Task 5

### Further Practice

File Edit View Help

Open Recent Open Save Undo Redo Copy Paste Delete Select All Run Section Run and Advance Run to End Run to End Run

Workspaces (1) ×

## Filtering noise

Instructions are in the task pane to the left. Complete and submit each task one at a time.

Do not edit. This code reads and processes an image.

```

1 I = imread('img_001.jpg');
2 g = rgb2gray(I);
3 gs = imread(g);
4 h = lefilter(gs,'adaptive','ForegroundSimilarity','dark');
5 [smooth, h] = imhoughp(gs,h,'montage');

```

### Task 1

```

6 m = fpecial('average',I);
7

```

### Task 2

```

8 gsmooth = lefilter(g,A);
9 imshow(gsmooth);

```

### Task 3

```

10

```




Close Help

# Image Processing Toolbox Documentation Mathworks

**N Noddings**



## **Image Processing Toolbox Documentation Mathworks:**

## Unveiling the Magic of Words: A Report on "**Image Processing Toolbox Documentation Mathworks**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Image Processing Toolbox Documentation Mathworks**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound affect on the souls of its readers.

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