

## [MATLAB TASK]

### a. Problem description

The given image has periodic noise with different orientation and different colors. Develop an algorithm that detect and remove the periodic noise automatically without selecting the noise area manually.



### b. Helper functions (not restricted to them)

- Frequency: `fft2`, `fftshift`, `abs`, `ifftshift`, `ifft2`, `real`, `imag`

### c. Function Signature

`RestoredImage = RemovePeriodicNoise(InputImage)`

`RestoredImage`: restored image after removing the noise.

### Next Week isA:

Task Name	Tool
<code>RemovePeriodicNoise</code>	MATLAB