

Image Zooming Exercise

Topic: Image zooming is based on the zero-order hold interpolation method of increasing the dimensions of an image, but it, instead, produces an image of the same dimensions as the input one. The output image contains only part of the original image, which is zoomed based on a zoom factor.

Exercise: Create a Python script file and perform the following tasks:

- Import OpenCV and NumPy libraries.
- Create a function that takes as input an image and a zoom factor performs image zooming on part of the input image. Then, return the zoomed image. You can add any extra parameters you desire.
- Read an image.
- Apply image zooming to the image.
- Finally, display the original image alongside the zoomed one.