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CS5102 - DIP assignment 2

1 message

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Mon, Jan 17, 2022 at 10:06 AM

To: dip2022@iiitdm.ac.in

Dear students

The problem statement for the assignment-2 :

Objective: To understand the concept of aliasing and false contouring.

1. Convert the given Lena image to grayscale image. Use the cv2.resize() to down sample the image with 4 sizes (128*128, 64*64, 32*32, and 16*16). Display the original image, and down sampled images with the **same display size. Observe what happens**
2. Down sample the grayscale Lena image with 8 different intensity ranges of values (0-255, 0-127, 0-63, 0-31, 0-15, 0-7, 0-3, and 0-1). (Note: Size of images are the same). And display all those 8 downsampled images in the same size display area on the screen. **Observe what happens**

Deadline:

Demonstrate assignment 1 and 2 on 20/01/2022 at 2.00PM.

Thank you
Kiruthika

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