**Interpolation Techniques**

This code resizes an image using interpolation techniques. It reads an image file, "test1.jpg," using OpenCV and resizes it to 800x800 pixels. It then demonstrates two interpolation methods: linear and cubic. The image is scaled up by a factor of 5 using linear interpolation and stored in `image\_re\_linear`. Similarly, cubic interpolation is applied and stored in `image\_re\_cubic`. The code displays the original image, as well as the linearly and cubically interpolated images. It waits for a key press, and if 'q' is pressed, it closes all image windows. This code showcases image resizing with different interpolation methods.