

Answer:

(4) To remove noise in an image what type of filter should you implement? (10 pts)

1. Sharpening
2. Blur
3. Horizontal Edge Detecting
4. Circle Detecting
5. None of the above

Answer:

(5) Which of the following statements is true regarding interpolation in image processing? (10 pts)

1. It is a method of deleting pixels from an image when it is downsized.
2. It is a method of adding noise to an image.
3. It is a method of constructing new data points based on known data points to fill gaps in pixel data during image resizing.
4. It is a method of converting an image from color to black and white.
5. None of the above

Answer:

(6) Which type of image interpolation has the fastest execution time? (10 pts)

1. Bilinear
2. Distorted
3. Bicubic
4. Nearest Neighbor

Answer:

(7) How many neighboring pixels are referenced in bilinear interpolation to estimate the value of a new pixel?? (10 pts)

1. 1
2. 16
3. 4
4. 8

Answer:
