

Aim: Implement following Image Enhancement Techniques using Octave.

1. **Contrast Stretching**
2. **Intensity Level Slicing**
3. **Bit Plane Slicing**

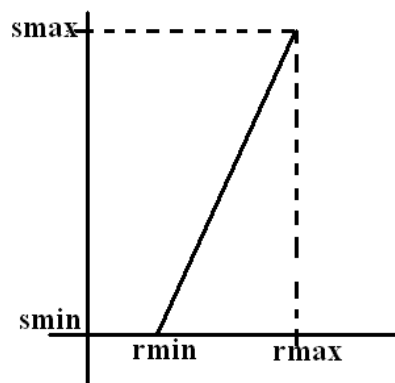
1. Contrast stretching:

It is a process that expands the range of intensity levels in an image so that it spans the full intensity range of the recording medium or display device.

Example:

2	1	2	1
4	5	5	6
3	2	1	4
6	2	1	6

Transfer function:



Q-1: Generalized Equation??

Q.2: Equation specific to this image??

Q.3: Transformed image??

Q.4: Implement this to octave.

Q.5: Do contrast stretching For the Image 1.

Q.6 Write the octave code for a user defined function to reduce contrast of the image.

Q.7 Perform Intensity Slicing for image 3.

Q.8 Perform bitplane slicing for image 3

Q.9 Perform reconstruction of the image from the bitplanes.