20181CSE0621 Sai Ram 20181CSE0621 Sai Rom K. Part-B 7-CSE-10. 2 Linear Functions: Identity function: · Output intensities are identical to input intensities.

This function does not have an effect on linage. It provides completeness. · Expression: S=27 Negative Transformation: The negative of an image with gray gray gray livel in the range [0, L-1] whe L is largest value in an image is detained by (S=L-1-r.) which reverses the intensities of an input image. · Suited for enhancing white or gray detail embedded in dark regions of an image. b] Negative Transformation a) linear Transformation Logarithmic functions
Log Transformation:

It is given by S = c log(1+2) where c is constant of 2 >0. . It maps to narrow range of low gray levels to wider range of output levels. Et compresses the dynamic range of images with

CIASSMAte 20181CSE0621 Sai Ram · Used to expand the values of dark pixels 2) Treese logalithm Transformation:

To perform opposite of log transform.

Ved to expand values of high pixels
in image while compressing the
darker level values.