

No.	Unit Test -3
	DID
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	1.0101
2	Types of Moise Models:
(	Image Restoration and Image Degradestion Model
1	
	-) Image, Restoration is the process of recovering our unage that has been degraded by some
	The Meet has been degraded by some
	knowledge of degration function in restoration
	degralletion is modelled and its inverse process is applied to secover the original inage
	organization is a cover the original mage
	15 applied to be a
	t(x,y) = g(x,y) = pration   f(x,y)
	Degradation (t) Restoration (x,y)  tunction(t)
	function(H)
+	
+	7(4,4)
+	
+	Restoration
+	Degradation Restoration

Moice Model:

ci) Gaussian Model Moice

$$P(z) = \frac{1}{\sqrt{2}\pi\sigma} e^{-(z-\mu)^2/2\sigma^2}$$

Reighleigh Hoixe

$$P(z) = \sqrt{\frac{2}{b}}/(z-a)e^{-(z-a)^{2}/b}$$

(iii) Empulse Noise

$$P(z)$$

$$P_{b}$$

$$if z = b$$

$$otherwise$$

(3). Order Statistic filters are mon linear special

TOLERANCE :-

ALL DIMENSIONS ADE IN

2 OT ICOWISE STAT

Types of filters: in the neighbourhood of the pixel value in the neighbourhood of the pixel. (ii) Min Max filtering: - following equ F(x,y) = max y (s;t) wax filtering Fk,y1 = min g(s,t) min filtering pixel by the mid pt. b/w the mex and min pixel in the neighbour hood Momo morphism filtering is a generalised technique for bignal and image processing. Envolves a non linear mapping to different do main in which filter techniques are applied following by meepling back to the original domain.

It is used for inage enhancement

It is used for Improve the appearance of greyscale inage by simultaneously instessity range compression.

u(x,y) = i(x,y) - r(x,y)

m = inage.

i = ilumination;

reflectance.