m will. VAR(X), G2 9-5x The fall predicted actually have canced TP = 3 out fall cancer patients, 1P+FN howmany are we predicting? Recell-Lyon enter here> Me: This is not an accidental ink spill at all -> 100 by then final Stantaral imilarity Problem with MSE is that it only chinch absolute error SSIM: AKA Skuctual Similarity is a perception based market Carsifers image degradation 1) As perceived Range, in Skuctural Information

Structural leformation > Idea that pivels have strag interdependencies especially when they are spetially close. Ssin is abulated on various NXN windows of the image Say window X [NXN] and window y [NXNI] Sim(a, g) = (24bfly+4) (To my+6) (Mathyte, Xontoyte) Mr = average of x Fi - Var ofx Try covas (x, y) And G2(k,L); G2(ksL) Lis the dynamic range of pivel value 1= # bits proposed k, 20-0, 10, 20.03 Formula Congroments Say is band on I comparison Measurements between the sample of xly Limonauce, Contracte Structuse

Survivance lar, y) = 2Hally 19, the thirty (minust-c(x,y)= 20x4/2 5,104/6 Soutine: Sly, y) = Try tlz Note: 132 62/2 Sim is a weighted combination of those comparative measures i Sim(1,4)= l(1,4) (1,4) s(2,4) If N=BZ /Z / we get Sim (n,y)= (Mn Hy FG ( My +63) (Mythy H) ( 1x + by + l2) Ssin is not a distance measure as it does not stey triangle inquestiff