THRESHOLD SYMBOLS

T(x,y) ~ the threshold value are have set Src(x, j) no the threshold value of the image (in the x, y pos)

ADAPTIVE MECHODS

erg. ADAPTIVE-THRESH, MATTIVE : + the shall value is the mean of CV9. ADAPTINE_THRESH_ CARUSSIAN-C: + heeshall value is the veighter neighbourhood area sum at heigh bourhood values where weights are a gaussian

win dow.

Ossi's Method Obsu searches automaticuly, for the best threshold value. It is best to use Otsu When your image has two image's Mistogram how two peaks.

· so, if we have an image:

And its histogram is like: L intensity

two classes seperated $W_1(t) = \begin{cases} t^{-1} & \text{pii} \\ \vdots & \text{o} \end{cases}$ $W_1(t) = \begin{cases} t^{-1} & \text{pii} \\ \vdots & \text{o} \end{cases}$ $W_1(t) = \begin{cases} t^{-1} & \text{pii} \\ \vdots & \text{o} \end{cases}$

levels Loso, Otsy finds the t that he believes is the best position to seperate the two peaks. Then, Otty finds the two variances (Siamaea & Scaniparon) for the two seperated classes: $S^2 = \sum_{i=1}^{\infty} \frac{(x_i - x_i)^2 v_i}{x_i}$ and then, it uses this function: $\sigma_{w(t)}^2 = w_0(t) \cdot \sigma_0^2(t) + w_1(t) \cdot \sigma_1^2(t)$ to make another function (google it), to find the actival threshold