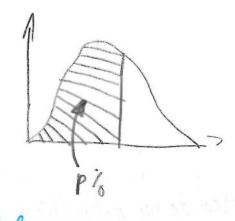
We need to know the proportion of the foreground and if it is darker or brighter than the background 1. We find the value of the threshold that divides the area under the histogram into one region containing (100-P)% of the pixels corresponding to the background and region containing P% of the pixels: the foreground



4) Modal a. Ident the minimum value which lies between the two peaks (background and foreground) of the histogram as our threshold—this works only if there is a clear division between foreground and background Problems with

Problems vith above methods (1,2)

- the local average in an image may vary in a systematic manner across
the image (i.e. if the scene is illuminated strongly from one side)

Solutions (dynamic threshold) - estimate the value of the threshold at each pixel - usually achieved by impediate one of the nethods discussed.

-> expensive (perhaps only perform a subset - intervening thresholds could be interpolated)

-> nive of region decided through experimentation.