

Filter out Horizontal Histogram Values by applying Dynamic Threshold

Tuesday, November 03, 2015
4:18 PM

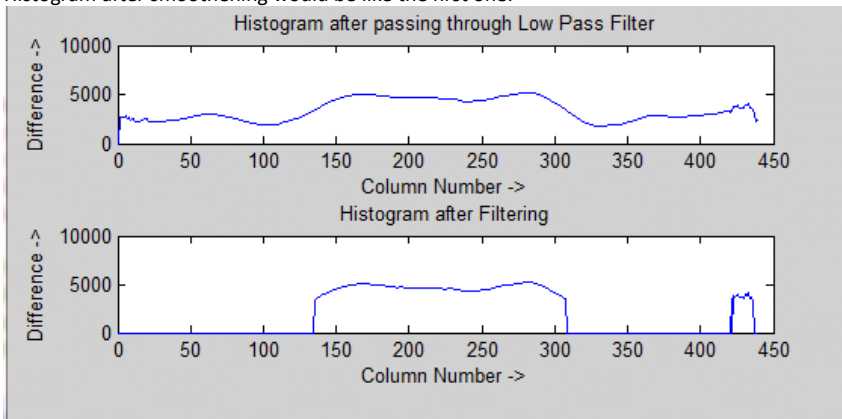
Process:

The histogram is passed through a band-pass filter. In this case, a dynamic threshold is applied and all the values less than this threshold are set to 0. This will remove the unnecessary columns from an image

Consider the Image shown Below:



Histogram after smoothening would be like the first one:



Histogram after filtering by applying a dynamic threshold would be the below one

Algorithm:

<pre>for i = 1:cols if(horz(i) < average) horz(i) = 0; for j = 1:rows I(j, i) = 0; end end end</pre>	<pre>//This loop goes from 1 to cols //If a histogram value for a column is less than the average(determined earlier) than its histogram value is made zero //and also the value for each pixel in that column is made zero</pre>
---	---