



Input Image

Gabor Filter

Step 1



Clustering

Step 2

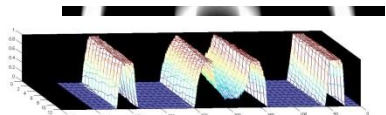
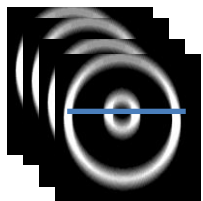


PCA to determine  
dominant direction

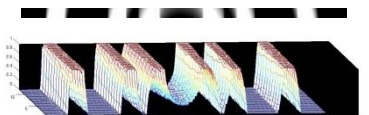
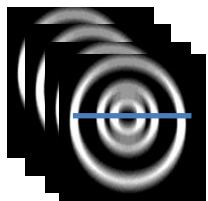
Step 3

Final Output  
with Code ID

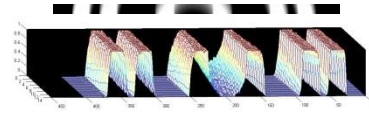
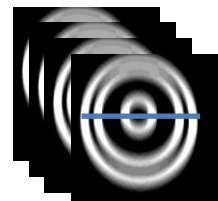
Fiducial Codes Training Data



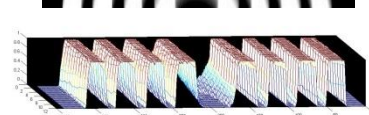
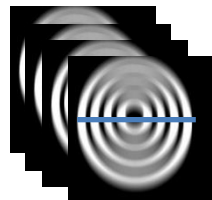
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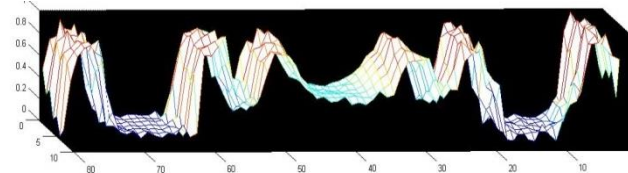


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Detected Intensity Profile



K-NN Classifier

Step 4

