CV Project 01 Two Auto threshold Selections CPP

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Project Due 02/19/23

Algo Steps:

Step 0: open inFile, maskFile via argv[]

open imgOutFile, AvgOutFile, MedianOutFile, GaussOutFile via argv[]

thrVal-->get from argv[3] Step 1: numRows, numCols, minVal, maxVal-->read from inFile

maskRows, maskCols, maskMin, maskMax-->read from maskFile

Step 2: dynamically allocate all 1-D and 2-D arrays

Step 3: loadMaskAry (maskFile, maskAry)

Step 4: loadImage (inFile, mirrorFramedAry)

Step 5: mirrorFraming (mirrorFramedAry)

Step 6: imgReformat (mirrorFramedAry, deBugFile)

Step 7: computeAvg (mirrorFramedAry, avgAry) imgReformat (avgAry, deBugFile) binaryThreshold (avgAry, thrAry) prettyPrint (thrAry, AvgOutFile)

Step 8: computeMedian (mirrorFramedAry, medianAry) imgReformat (medianAry, deBugFile) binaryThreshold (medianAry, thrAry) prettyPrint (thrAry, MedianOutFile)

Step 9: computeGauss (mirrorFramedAry, GaussAry) imgReformat (GaussAry, deBugFile) binaryThreshold (GaussAry, thrAry) prettyPrint (thrAry, GaussOutFile)

Step 10: close all files

Output.txt

Main.cpp