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\\ SAEED PATEL, SAAD MAHMOOD    //
// FEBRUARY 20, 2014            \\
\\ CS495: HOMEWORK 2            //
//     LENS SMEAR DETECTION     \\
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IMPORTANT:
Strictly follow the below format for the image path input or the result will not to be as
expected and the script might throw an error.
The resulting output image will be displayed to screen as well as stored to current
working directory.
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//**HOW TO RUN MAIN SCRIPT(main_script.m)**\\
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This is a MATLAB script, so MATLAB should be used to run the script

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//**HOW TO INPUT IMAGES FOR SMEAR DETECTION**\\
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-> Once the script is run, there will be a display message in the console asking for the
path to the input images.
-> Please input the full path as shown below, otherwise the script will not run!
-> Make sure to use
   the single quotes in the path.
For example: 'C:/Users/UserName/Desktop/Images/'

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//**WHAT DOES THE SCRIPT DO?**\\
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-> First, the user is prompted for an input of the source path to the images that are to
be processed.
-> The script then creates a black mask the exact same size as the input images.
-> The script starts reading images one-by-one from the path specified by the user and
adds them to the mask via image superposition, thus changing the mask upon each
iteration.
-> The resulting image is a composition of all the files within the directory, where the
white pixels in the image show the dust or smears on the dirty camera lens, with
remaining objects taken out by the mask and repeated addition of new image input.

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