

EDGE DETECTION OF LICENSE PLATE

ABSTRACT:

Edge detection is one of the important operations in image processing and computer vision. It is the process that is used to locate the boundaries of objects or textures depicted in an image. To know the positions of these boundaries is a critical task in the process of image enhancement, recognition, restoration and compression. The edges of image are considered to be the most important attributes of image that provide valuable information for human image perception.

In the paper, Sobel Operator is used for edge detection. I will try to identify the license plates using Gaussian blur, morphological operations and finding contours of the image.

Reference:

1. Edge detection of license plate using Sobel operator

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Paper link: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7755367>

Dataset:

<https://www.kaggle.com/andrewmvd/car-plate-detection?select=images>