

In this work we focus on one of the most common disturbance and that is lens flare or unwanted light scattering from light source. The main objective is to design and implement algorithms that lead to the removal of the mistakes of the image and using one or more images with different exposure. Algorithms are implemented using Matlab, software program using matrices, and Image Processing Toolbox, which contains various functions for work with images. For our work, we have implemented and compared several algorithms for segmentation and removal of lens flare, we implemented an algorithm based on copying similar parts or processing of individual color channels. Our results show that we are at least partially able to delete flare.