

Object Real Length Measurement inside Image as Computer Metrology

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Abstract

Nowadays, various image processing applications have been distributed widely. to find the actual height or length of any object inside digital image such as human height and the measurement is in centimeter unit (CM). To implement this idea, some tools of image processing must be used, which are ordered as firstly, image reading which contains the targeted object, then transform it to binary image, then morphological filtering by doing closing operation, then segmentation operation and labelling the object, then take first measurement as feature extraction based Major Axis length, finally matching operation is done between the trained length stored in database (reference model) with the query object to extract the real length of that object in the image. The scope of this idea is that, the image should be taken of a fixed distance away from the camera.