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Hiding Region of Interest in Image using Fuzzy Logic

Abstract

In this research, a new method for hiding image has been proposed. The proposed method relied on hiding the region of interest in the image by specifying it using fuzzy logic. Images play a large and important role in several areas. Therefore, The more important the image, the greater the need to protect and preserve it. In this research, the work was divided into two parts, the first part represents the sending side and in it the face area is defined as an important region in the image and hidden then, while the second part, represents the receiving side and in it the hidden image is received and unhide. Fuzzy logic was used in the process. The proposed algorithm provide security to the images being transmitted. Matlab language was use to perform this work.