

## عنوان مقاله:

A New Scheme for Lossless Meaningful Visual Secret Sharing by using XOR Properties

## محل انتشار:

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## خلاصه مقاله:

In this paper, a novel scheme for lossless meaningful visual secret sharing using XOR properties is presented. In the first step, genetic algorithm with an appropriate proposed objective function created noisy share images. These images do not contain any information about the input secret image and the secret image is fully recovered by stacking them together. Because of attacks on image transmission, a new approach for construction of meaningful shares by the properties of XOR is proposed. In recovery scheme, the input secret image is fully recovered by an efficient XOR operation. The proposed method is evaluated using PSNR, MSE and BCR criteria. The experimental results presents good outcome compared with other methods in both quality of share images and recovered image

## کلمات کلیدی:

Secret sharing, Visual secret sharing, Meaningful secret sharing, Genetic Algorithm

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1696022>

