An efficient Harris Hawks-inspired image Segmentation method.

Summary

The image segmentation is a essential preprocessing step in compute vision, pattern recognition and image processing in various field. Basically image segmentation is the process of dividing an image into several needed area of the image Segmentation is the crucial phase in the Image processing. There are many Segmentation techinige for image processing. These method of Segmentation techinge has not a correct accuracy or not efficient techniqe. so here the new efficient methodology for segmentation is proposed by Harris Hawks Optimization (HHO) algorithm. It provide the behaviour of the Harris Hawks Haunting process. The birds are highly efficient using their process the HHO has created. It result and effectiveness of the HHO based method. The proposed HHO-based solver on other comparable optimizers and two machine learning algorithm). It compare three Groups. The first one is to provide evidence of the

the optimization capabilities of the HHO, the second one is to verify segmented image quality. The third way is to verify segmented image comparing. The method ~~introduce~~ introduce efficient and reliable results in terms of quality, consistency and accuracy in comparison with the other methods. This HHO-based method presents an improvement over other segmentation approaches that are currently used. ~~in the~~