**SEGMENTATION OF DYNAMICAL IMAGES BY MEANS OF**

**DISCRETE HARTLEY TRANSFORM**

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**Abstract:** This paper considers the problem of finding the parameters of motion of a segmental low-observable (covert) object of the image on the background of inessential details. In a number of applications such as robotics, industrial technical control, detection of surreptitiously moving military machines, detection of changes in the images having occurred between frames (used in special systems), etc., it is necessary to estimate the object velocity, direction of its motion and path traversed by it.

It is proposed to perform the segmentation of dynamical images in the frequency domain by means of the discrete Hartley transform (DHT).

**Key words:**  segmentation, dynamical image, object velocity, frequency offset, frame rate, Hartly spectrum, additive noise, image projection.

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