

# Fast method of moment invariants construction on the image with use of approximation

V.V. Sergeev<sup>1</sup>, O.A. Titova<sup>2</sup>

<sup>1</sup> Image Processing Systems Institute of RAS

<sup>2</sup> Samara State Aerospace University

## Abstract

This paper describes a quick way to form image characteristics. The moment invariants  $Xy$  are taken as attributes. It is proposed to use a parallel-recursive algorithm to calculate the generalized moments in a "sliding window" on the image, and then approximate the values of the invariants by them. This method is more efficient computationally as compared to the direct calculation.

*Keywords:* moment invariant, image, parallel-recursive algorithm, sliding window.

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