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## Search of regions of interest in objects showing signs of a spot on locally homogeneous scenes

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### Abstract

It is suggested that while searching a scene for objects of known sizes by means of spectral and geometrical signs, instead of segmentation of the entire scene, only those fragments that contain the objects themselves and their surroundings be segmented. The formalization of a search query in the scene of such fragments, called regions of interest, is discussed, methods of its solution are suggested, and the results obtained are examined further. © 2012 Pleiades Publishing, Ltd.

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### Keywords

image decoding, segmentation