

80. EFFECTUATION OF SALIENCY DETECTION IN MOTION FIELDS

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Automatically detecting people in videos is the first step in a wide range of tracking applications, which can be successively used in video surveillance systems, traffic monitoring, Object Detection and Action Recognition systems. Therefore detecting the outstanding feature of an image is considered to be more important. The outstanding feature of an image with respect to its neighborhood pixel is termed as “Saliency”. In this proposed work, a Locally Adaptive Regression Kernel based object detection is employed for detection process. These kernels can be applied to the problem of people detection, taking into account the fact that a person can appear in a wide variety of poses, and can come in dissimilar shapes and sizes.

Key words: Saliency detection, Motion fields, Regression kernel, Similarity Matrix.

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