

Understanding Haar-like features in the problem of face detection in images

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Abstract: This topic aims to study Haar-like features and apply them to the problem of human face detection in images. This is of practical significance because face recognition and tracking are important requirements in many security and entertainment systems. The objective of this research is to build a classification model based on Haar-like features to detect human faces from images. Through machine learning and experimentation, the topic will determine the performance of this method and compare it with existing methods. The expected result is to provide a new solution for the face detection problem, while contributing to the understanding of Haar-like threshold computation.

Keywords: Haar-like features, face detection, image, recognition system