

Research on Computer Vision and applications of face detection and recognition

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Abstract: This topic aims to explore the necessity of Computer Vision technology in the field of image processing, particularly for the problem of face detection and recognition. The main objective is to build a system capable of automatically identifying and classifying faces from input images or videos. Through both theoretical and experimental research, this topic not only provides useful solutions for applications such as security and entertainment but also makes an important contribution to the current development of image processing technology.

Keywords: Computer Vision, Face Detection, Face Recognition