

Enhanced Face Recognition with Daisy Descriptors Using 1BT Based Registration

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Abstract : In this paper, it is proposed to improve Daisy descriptor based face recognition using a novel One-Bit Transform (1BT) based pre-registration approach. The 1BT based pre-registration procedure is fast and has low computational complexity. It is shown that the face recognition accuracy is improved with the proposed approach. The proposed approach can facilitate highly accurate face recognition using DAISY descriptor with simple matching and thereby facilitate a low-complexity approach.

Keywords : face recognition, Daisy descriptor, One-Bit Transform, image registration

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