



## PCA BASED CHOICE OF REPRESENTATIVE COLORS FOR SKIN DETECTION (WedPmPO4)

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✳ Abstract :

Detection of human skin in colored images has always been performed in known standard color spaces. In this paper a new color space coordinate is proposed based on popular existing color spaces but taking into account the most representative ones. Color components are considered features from which a representative set is derived using the PCA technique. An elliptical model based classifier is used to test the performance of the proposed space transformation.