

# Facial De-morphing: Extracting Component Faces from a Single Morph

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## Abstract

*A face morph is created by strategically combining two or more face images corresponding to multiple identities. The intention is for the morphed image to match with multiple identities. Current morph attack detection strategies can detect morphs but cannot recover the images or identities.*

*Following the selection of suitable individuals, their face images are aligned using landmark points. This step typically involves landmark detection followed by warping. After the image alignment process, pixels are blended using a linear interpolation scheme. The interpolated image can undergo optional post-processing such as splicing the morphed region onto the image of one of the identities or image editing such as Poisson blending to enhance the per-*