Abstract

Automated skin detection from a captured natural image has a wide range of application. Detection of skin area in a given image is done through marking skin and non-skin pixels. Process of identification of skin pixel is closely associated with color space being used. To select suitable method to extract skin region has motivated this paper. We are using multiple color spaces in a paper to analyze and compare them. We have the different set of images to compare color space. The results indicate that YCbCr provide better performance compare to other color space.

References

- J Brand, S Mason, M Roach, and M Pawlewska. Enhancing face detection in colour images using a skin probability map. Int. Conf. on Intelligent Multimedia, Video and Speech
An Analysis of Skin Pixel Detection using Different Skin Color Extraction Techniques


Index Terms

Computer Science Pattern Recognition

Keywords
Skin pixel detection Log opponent HSV YIQ YCbCr