Abstract

Segmentation refers to a technique of picking out a particular part of any object. If we talk about image segmentation it is basically a method of picking out a particular area of that image. As we know a video is nothing but a sequence of frames in an orderly manner, hence video segmentation could also be achieved in this manner. Video segmentation is in great demand now a day with the advancement of AI. Few important applications of video segmentation could be a face, colour detection system, an object tracking system etc. Detection and tracking of any moving object is a very important part of video surveillance and hence a lot of emphasis is done on it. Lots of researches had been taking place in the domain of object detection and tracking from live stream and various algorithms were suggested to obtain the most effective results. In this survey, we would cover all important researches and works done on object detection and tracking especially the color as an object part and will also discuss the benefits of doing this. In short we will make out how video segmentation is going to open the gate for a great and smart future ahead.
References

3. Vandana S. Bhata* and Jagadeesh D. Pujaria, Face detection system using HSV color model and morphing operations, International Journal of Current Engineering and Technology
8. Chris Harris & Mike Stephens, A COMBINED CORNER AND EDGE DETECTOR, Plessey Research Roke Manor, United Kingdom © The Plessey Company pic. 1988
10. Marcus Thaler, Werner Bailer, Real-time Person Detection and Tracking in Panoramic Video, JOANNEUM RESEARCH, DIGITAL – Institute for Information and Communication Technologies Steyrergasse 17, 8010 Graz, Austria
15. S. Chitra, Comparative Study for Two Color Spaces HSCbCr and YCbCr in Skin Color Detection, Applied Mathematical Sciences, Vol. 6, 2012, no. 85, 4229 - 4238
17. Akriti Kaushik1, Aastha Sharama, RGB COLOR SENSING TECHNIQUE, International
Journal of Advance Research in Science and Engineering

Index Terms

Computer Science

Pattern Recognition

Keywords

Image segmentation, video segmentation, skin detection, edge & corner detection. Color detection and tracking.