Abstract

Object tracking has become one of the important research areas in robotics. In this paper, we propose a vision based color object tracking by Khepera II mobile robot. The object tracking is realized by color segmentation through image threshold. The wireless camera mounted on the robot will capture the image in front of its viewing range and based on the color property of the target object, the control in tracking is activated automatically by seeking the control align in the direction of the tracked object.

References

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Index Terms

Computer Science  
Artificial Intelligence

Keywords

Image Matching  Mobile Robot  Object Tracking  Khepera ii  Motion Planning