A New Methodology for Crowd Estimation: Linear Quadratic Estimation

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Abstract

Recently, crowd estimation techniques in real-time are more popular research field using computer vision. Here understand the behavior of the system using Linear Quadratic Estimation or kalman filter with new proposed index parameter which will help to understand the accuracy of the system still no more parameter discover to judge the accuracy of the system which is us to estimate the crowd or tracking the crowd. Crowd estimation does play an very critical role in intelligent crowd monitoring. All results have been implemented in MATLAB R2013.

References

1. Beril Sirmacek, Peter Reinartz, Kalman Filter Based Feature Analysis For Tracking People From Airborne Images, German Aerospace Center (DLR), Remote Sensing Technology Institute PO Box 1116, 82230, Wessling, Germany
2. Ming Jiang, Jingcheng Huang, Xingqi Wang, Jingfan Tang, Chunming Wu, An Approach for Crowd Density and Crowd Size Estimation ,JOURNAL OF SOFTWARE, VOL. 9,
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Index Terms

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Keywords

crowd, filter, parameter, kalman and Linear Quadratic Estimation.