画像エッジ部でのオプティカルフロー推定による障害物検出手法

The Obstacle Detection Method using Optical Flow Estimation at the Edge Image

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When you process the image using an onboard camera, it can be presumed that there is some important information at the edge image. This paper presents the obstacle detection method by estimating the optical flow. Our approach is to make the accuracy of the optical flow better than the traditional method by using the optical flow restraint equation which is generated by supporting circle gradient around the corner point at the edge image, to estimate three-dimensional information such as depth and height using the obtained flow by proposal method.