

## 车辆导航立体视觉测量技术特征点匹配方法

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关键词: 车辆 导航 立体视觉 特征点匹配 四边形约束

摘要: 车辆跟踪定位中的立体视觉算法, 特征点匹配计算量大, 误匹配概率高, 实时性不强。对特征点匹配技术进行了研究, 通过分析传统特征点提取方法的不足, 提出了基于四边形约束的彩色标示特征点的匹配方法。试验表明, 该方法匹配的准确率为100%, 计算速度快、适应性强。 In vehicle tracing and locating, character points matching in stereo vision algorithm has more calculation works, high error matching probability and can not run in real time. In this paper, the technology of character points matching is studied. After compared several matching algorithms, we put forward a method named rectangle constraint of color field matching. The experiment results show that the method has 100% matching accuracy, quickly calculating rate and strong adaptability.

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