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摘要：轮对作为铁路车辆重要的走行部件，对于铁路的安全运输起着关键性的作用。因此准确的检测车轮的磨耗状况是非常重要的。本文将结构光视觉传感技术应用到车辆轮对几何参数的在线测量上，完成测量系统的开发，实现在线动态测量。

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[The study of measurement system in measuring wheelsets
geometric parameters on line](#)

Abstract: Wheelsets play a key role for the safety of railway transportation, as important parts of the railway vehicles. Therefore, it is crucial to detect the abrasion of wheelsets accurately. The measurement system that is based on the structural light vision sensing technology was developed to measure the wheelsets wear on line.

Key words:

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