

## Original Paper

# A Geometric Approach to Beam Type Load Cell Response for Fast Weighing

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## Abstract

We propose a novel geometric approach to processing of load cell signals for inline weight measurement applications. These systems usually rely on oscillatory load cell signals which always need to time to settle. We describe the theoretical and experimental implementation of a newly proposed geometric approach for load cell signals, and verify the effectiveness of the method through experiments.

## Keywords

Load cell; Geometric approach; Weighing method; Signal processing