

**Processing Method of Running Safety Measurement of Railway Vehicle
Utilizing the Wheel Load and Lateral Thrust Digital Data**

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With respect to measure various forces of the rail vehicles such as wheel load and lateral thrust for evaluating running safety, reading and analyzing the data printed on the paper (chart paper) obtained by the thermal recorder and the data recorder has been carried out for many years. In addition to developing a system to generate digital data of the wheel load, lateral thrust using a general-purpose computer, we have been studying the development of processing technology of digital data constructed in this processing system. In this report, we describe the developed measurement method of the wheel load and lateral thrust of railway vehicles, and overview of the basic way of processing digital data constructed by the above mentioned measurement system.