

**Trend Investigation of Image Technology Application to Contact Line
Inspection and Condition Monitoring**

Kazuyoshi NEZU Itaru MATSUMURA Mitsuo ABOSHI

Recently, the practical use of a contact line inspection system which uses an image technology has increased. The advantage of the measurement by the image technology is that necessary hardware can be simplified because data can be obtained only with a camera and a light. As a result of application of the image technology, measurements with a commercial train or a road railer has extended, reducing an initial cost and an operation cost of the measurement. We investigated image technology trends by documents and actual conditions with respect to a part of advanced cases, and report the results of the investigation in this paper.