Development of an Integrated Analysis Platform for Cross-sectional Railway Maintenance Data

Satoko RYUO   Yusuke KAWAMURA   Akio HADA   Izumi KURITA

In order to achieve more efficient and labor-saving maintenance in railway systems through cross-sectional data analyses, it is necessary to share the data collected and accumulated in each railway system. However, since the format and positional representation of the data of each system, there is a problem that it is difficult to use the cross-sectional data. Therefore, we proposed an "integrated analysis platform", which possesses a database that can centrally manage data from each system and an analysis platform that performs comprehensive analysis processing. This paper introduces the network configuration and functions of the platform, and a prototype system built based on these.