

Development of a Coupled-Analysis Traction Power Simulation System

Yoko TAKEUCHI Tomoyuki OGAWA Hiroaki MORIMOTO
Yoichi IMAMURA Shingo MINOBE Shoichi SUGIMOTO

In order to estimate traction power consumption more precisely, we have been developing a traction power simulation system which executes coupled analysis among the power supply network, the rolling stock characteristics and drivers' operating methods. First, we describe the outline of this simulation system. Secondly, we explain about the simultaneous measurements of substations and rolling stocks within a limited feeding section. Then, we verify the degree of accuracy of this simulation system though comparison between the calculation results and this simultaneous measurement results.