Minimization of Total Train Operation Energy by Driving Pattern Selection

Yoko TAKEUCHI Keisuke SATO

Our research purpose is to construct a control algorithm for minimizing the total train operation energy. For this purpose, a model was constructed, of which the control targets are driving patterns of the trains between stopping stations. Then, this model was formulated as a mathematical optimization problem. In this report, we introduce some results of case studies implemented by using sample data.