

## **Calculation Method of Train Tuning Pattern for Automatic Acceleration/Deceleration Control based on ATS-P**

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One-person operation in urban rail lines has been expanding in recent years, but since it places a heavy burden on drivers, support such as semi-automatic operation is required. Therefore, we proposed a system configuration and driving method for semi-automatic operation based on the ATS-P section. In the proposed method, the renewal of ground facilities is minimized, and the system can be introduced on a vehicle-by-vehicle basis. In addition, the proposed system does not require detailed notch adjustment and can control running time according to the arrival time. By simulation, it was confirmed that the error of running time was within a few seconds with the proposed operation method.