

Construction of a Comparative Evaluation Method of the Driving Operation from Multiple Viewpoints

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In determining a train schedule, the running time between stations and minimum headway are important items. On the other hand, it is necessary to evaluate the driving operation from not only the viewpoint of headway but also other viewpoints such as energy consumption and train delay. Therefore, in this research, we propose driving operation that enables us to shorten minimum headway in the automatic block section. Furthermore, based on a train performance calculation system and a train operation simulator, we construct a method by which we can comprehensively compare and evaluate driving methods from the viewpoint of the running time, consumption energy, minimum headway, and train delay.