

**An Evaluating Method for an Economic Loss of the Passengers  
Who Encountered with Rail Transport Disorders**

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This study has focused on an evaluating method for an economic loss of the passengers who encountered with rail transport disorders. We developed a selective model for passenger behaviours, for two major actions taken either an alternative route or patiently waiting for train services to be resumed. The time value at the time of the disorder is calculated by a model parameter ratio between the travel time and the fare. We accordingly proposed a new evaluation index, which indicated the amount of loss as calculated by the product of the time value and the loss time of total passengers.