

Evaluation of a Driver's Behavior on Level Crossing Warning

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We have evaluated the behavior of a driver responding to a warning at a level crossing when the driver goes into the level crossing. An experiment is executed by using a driving simulator. In the experiment, the driver is released from the obligation of a temporary stop at the level crossing. We have evaluated the probability that the driver goes into the level crossing from the position of the car when the warning starts. As a result, it has been found out that the probability of breakage of a crossing barrier due to an unreasonable driving without the obligation of a temporary stop will be six times more than that with the obligation of a temporary stop.