Evaluation of the Performance of the Bogie to Control the Decrement of Wheel Load Using the Test Line of RTRI

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We developed a bogie to control the decrement of wheel load for the purpose of preventing of flange climb derailment by suppressing the decrease of the wheel load. The bogie is equipped with a bogie frame composed of three blocks which are joined together via a rotation mechanism. The bogie can follow the twist of a track by rotating the side beams with the rotation mechanism. We confirmed the satisfactory performance of the bogie on the rail by conducting some experiments on the test line of RTRI. This paper describes the performance of the bogie on the rail.