

ABSTRACT

GRADIENT INFORMATION ACQUISITION METHOD, STORAGE MEDIUM,
GRADIENT INFORMATION ACQUISITION DEVICE AND PROGRAM

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Disclosed is a gradient information acquisition method comprising: a speed measured value acquisition step in which a measured value of the speed of a rail vehicle is acquired; a speed calculation step in which a calculated value of the speed of said vehicle is found using an equation of movement including a parameter indicating the gradient of the path of travel of said rail vehicle; a parameter value acquisition step in which a parameter value is found of a function indicating said gradient, for which parameter the difference of said measured value of the speed and said calculated value of the speed is a minimum; and a gradient information acquisition step of finding the gradient of said path of travel, based on the parameter value of the function indicating said gradient that was acquired in said parameter value acquisition step.

FIG. 1