BIAS ESTIMATION DEVICE, FORKLIFT, BIAS ESTIMATION METHOD, AND PROGRAM

Abstract

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Object

Provided is a bias estimation device that accurately estimates a bias of a measurement value of an inertial measurement unit.

Solving Means

A bias estimation device includes a determination unit configured to determine whether a forklift is stationary based on a measurement value from a first sensor configured to detect information regarding movement of the forklift and a measurement value from a second sensor configured to detect information regarding a cargo handling device included in the forklift, an accumulation unit configured to accumulate an IMU measurement value that is a measurement value from an inertial measurement unit included in the forklift when the determination unit determines that the forklift is stationary and stop accumulation of the IMU measurement value when the determination unit determines that the forklift is not stationary, and a calculation unit configured to calculate a bias of the IMU measurement value based on the IMU measurement value accumulated in the accumulation unit.

[Selected drawing] FIG. 1