

Claims

[Claim 1]

An information processing method comprising:
acquiring obstacle information from a mobile body moving along a route to a target position, the obstacle information indicating that an obstacle is present on the route; and
setting an updated route leading to an updated position as a route for the mobile body upon receipt of the obstacle information, the updated position being a position different from the target position, wherein
the updated route is defined by defining a nearby position located within a predetermined distance from the position of the obstacle based on the position information of the obstacle is set as a position where an other mobile body cannot pass, and
setting a position that does not interfere with the movement of the other mobile body as the updated position.

[Claim 2]

The information processing method according to claim 1, further comprising causing the mobile body to move along the updated route.

[Claim 3]

The information processing method according to claim 1 or 2, wherein, in the setting an updated route, a position on a side in a second direction opposite to a first direction with respect to a current position of the mobile body is set as the updated position, the first direction heading from the current position to the obstacle.

[Claim 4]

The information processing method according to any one of claims 1 to 3, wherein, in the setting an updated route, the updated position is set based on at least one of a size of the obstacle and a distance to a candidate position that is a candidate for the updated position.

[Claim 5]

The information processing method according to any one of claims 1 to 4, wherein the mobile body is conveying a target object, and
in the setting an updated route, a command to drop the target object being conveyed at a current position of the mobile body is set, while the updated route is set

such that a placement position of another target object different from the target object being conveyed is set as the updated position.

[Claim 6]

The information processing method according to any one of claims 1 to 4, wherein the mobile body is conveying a target object, and
in the setting an updated route, the updated route is set such that a position different from the target position is set as the updated position, while a command to drop the target object being conveyed at the updated position is set.

[Claim 7]

The information processing method according to any one of claims 1 to 6, further comprising
acquiring information indicating that the obstacle has disappeared from the route, and
setting a reconveying route upon acquisition of the information indicating that the obstacle has disappeared, the reconveying route being a route from a position at which a target object is dropped to the target position,
wherein the mobile body is conveying the target object.

[Claim 8]

The information processing method according to claim 1, further comprising:
setting a detection route for an other mobile body for which a route to a second target position different from the first target position has been set, the detection route being a route passing through a detection position at which the obstacle can be detected and reaching the second target position.

[Claim 9]

The information processing method according to claim 8, wherein, in the setting a detection route, when the route to the second target position passes through a via-point located within a predetermined distance from a position at which the obstacle is detected, the detection route is set for the other mobile body for which the route to the second target position passing through the via-point has been set.

[Claim 10]

An information processing device comprising:
an obstacle information acquisition unit configured to acquire obstacle information through other mobile body moving along a route to a target position, the obstacle information indicating that an obstacle is present on the route; and

a work setting unit configured to set an updated route to an updated position as a route for the mobile body upon receipt of the obstacle information, the updated position being a position different from the target position; wherein

defining a nearby position located within a predetermined distance from the position of the obstacle based on the position information of the obstacle is set as a position where other mobile body cannot pass, and

setting a position that does not interfere with the movement of the other mobile body as the updated position.

[Claim 11]

A non-transitory computer readable storage medium storing a program for causing a computer to perform processing, the processing comprising:

acquiring obstacle information through a mobile body moving along a route to a target position, the obstacle information indicating that an obstacle is present on the route; and

setting an updated route to an updated position as a route for the mobile body upon receipt of the obstacle information, the updated position being a position different from the target position, wherein

defining a nearby position located within a predetermined distance from the position of the obstacle based on the position information of the obstacle is set as a position where other mobile body cannot pass, and

setting a position that does not interfere with the movement of the other mobile body as the updated position.