Claims

[Claim 1]

A mobile body control system comprising:

a storage unit that stores a plurality of route portions through which a mobile body passes and weight values indicating movement costs of the route portions in association with each other;

a weight setting unit that sets the weight values individually for each passage direction of the route portions for at least some of the plurality of route portions; and

a route setting unit that sets a movement route from a movement start position to a destination of the mobile body, based on the weight values for each passage direction of the plurality of route portions, wherein

the weight setting unit sets the weight values such that the mobile body is likely to pass in one direction and the mobile body is less likely to pass in another direction opposite to the one direction, for some of the plurality of route portions, and such that the mobile body is likely to pass in both the one direction and the other direction for a route portion of the plurality of route portions that bypasses an installation object.

[Claim 2]

The mobile body control system according to Claim 1,

wherein for a series of consecutive route portions, the weight setting unit sets the weight values such that the mobile body is likely to pass in one direction and is less likely to pass in the other direction opposite to the one direction.

[Claim 3]

A mobile body control system comprising:

a storage unit that stores a plurality of route portions through which a mobile body passes and weight values indicating movement costs of the route portions in association with each other;

a route setting unit that sets a movement route from a movement start position to a destination of the mobile body, based on the weight values of the plurality of route portions; and

a weight setting unit that sets the weight values of the route portions, based on the movement route set in the past.

[Claim 4]

The mobile body control system according to Claim 3,

wherein the storage unit stores order information including a group of work orders in which a loading position and an unloading position of the mobile body and a priority are defined,

the route setting unit preferentially sets the movement route in descending order of the priority in the order information, and

the weight setting unit sets the weight values in the order information such that the mobile body is less likely to pass through the route portion passing along the previously set movement route.

[Claim 5]

An information processing method comprising:

a step of acquiring weight values individually set for each passage direction of route portions for at least some of a plurality of the route portions through which a

mobile body passes; and

a step of setting a movement route from a movement start position to a destination of the mobile body, based on the weight values for each passage direction of the plurality of route portions, wherein

the weight values are set such that the mobile body is likely to pass in one direction and the mobile body is less likely to pass in another direction opposite to the one direction, for some of the plurality of route portions, and such that the mobile body is likely to pass in both the one direction and the other direction for a route portion of the plurality of route portions that bypasses an installation object.

[Claim 6]

An information processing method comprising:

a step of acquiring a plurality of route portions through which a mobile body passes and weight values indicating movement costs of the route portions;

a step of setting a movement route from a movement start position to a destination of the mobile body, based on the weight values of the plurality of route portions; and

a step of setting the weight values of the route portions, based on the movement route set in the past,

wherein the weight values are set such that the mobile body is less likely to pass through the route portion having a large number of passages.