[Claim 10]

A vehicle that travels along a track, comprising:

a vehicle position acquisition unit that acquires positions of a plurality of vehicles including an own vehicle present on the track;

a density calculation unit that calculates density of the plurality of vehicles traveling within a predetermined range on the track; and

a departure determination unit that adjusts a departure time at a stop station of the own vehicle on the basis of one or both of front direction density indicating density of other vehicles traveling within a predetermined range in front in a travel direction of the own vehicle, and rear direction density indicating density of other vehicles traveling within a predetermined range at the rear in the travel direction of the own vehicle.

[Claim 11]

An operation management method for managing an operation of a plurality of vehicles traveling along a track, the operation management method comprising the steps of:

acquiring positions of the plurality of vehicles present on the track;

calculating front direction density indicating density of vehicles traveling within a predetermined range

in front in a travel direction of a predetermined target vehicle, and rear direction density indicating density of vehicles traveling within a predetermined range at the rear in the travel direction of the target vehicle; and

adjusting a departure time at a stop station of the target vehicle on the basis of one or both of the front direction density and the rear direction density.

[Claim 12]

A program that causes a computer of an operation management device that manages an operation of a plurality of vehicles traveling along a track to function as:

vehicle position acquisition means for acquiring positions of the plurality of vehicles present on the track;

density calculation means for calculating density of the plurality of vehicles traveling within a predetermined range on the track; and

time adjustment means for adjusting a departure time at a stop station of a predetermined target vehicle on the basis of one or both of front direction density indicating density of vehicles traveling within a predetermined range in front in a travel direction of the target vehicle, and rear direction density indicating density of vehicles traveling within a predetermined range at the rear in the travel direction of the target vehicle.

[Claim 10]

A vehicle that travels along a track, comprising:

a vehicle position acquisition unit that acquires positions of a plurality of vehicles including an own vehicle present on the track;

a density calculation unit that calculates density of the plurality of vehicles traveling within a predetermined range on the track; and

a departure determination unit that adjusts a departure time at a stop station of the own vehicle on the basis of one or both of front direction density indicating density of other vehicles traveling within a predetermined range in front in a travel direction of the own vehicle, and rear direction density indicating density of other vehicles traveling within a predetermined range at the rear in the travel direction of the own vehicle.

[Claim 11]

An operation management method for managing an operation of a plurality of vehicles traveling along a track using an operation management device, the operation management method comprising the steps of:

acquiring, by a vehicle position acquisition unit of the operation management device, positions of the plurality of vehicles present on the track;

calculating, by a density calculation unit of the

operation management device, front direction density indicating density of vehicles traveling within a predetermined range in front in a travel direction of a predetermined target vehicle, and rear direction density indicating density of vehicles traveling within a predetermined range at the rear in the travel direction of the target vehicle; and

adjusting, by a departure determination unit of the operation management device, a departure time at a stop station of the target vehicle on the basis of one or both of the front direction density and the rear direction density.

[Claim 12]

A program that causes a computer of an operation management device that manages an operation of a plurality of vehicles traveling along a track to function as:

vehicle position acquisition means for acquiring positions of the plurality of vehicles present on the track;

density calculation means for calculating density of the plurality of vehicles traveling within a predetermined range on the track; and

time adjustment means for adjusting a departure time at a stop station of a predetermined target vehicle on the basis of one or both of front direction density indicating

density of vehicles traveling within a predetermined range in front in a travel direction of the target vehicle, and rear direction density indicating density of vehicles traveling within a predetermined range at the rear in the travel direction of the target vehicle.