

The Running Control for the Mobile Vehicle

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Abstract

In this paper, we report the results about the rotational control count on DC motor to drive the mobile vehicle as a first step of the research for the realization of the mobile vehicle with the artificial brain.

First of all, we introduce the configuration of the mobile vehicle. This mobile vehicle has one CCD camera driven by a rear wheel. Secondly we show the control methods. This research is adopted the various controls. Finally we report the experimental methods and results and we describe the conclusion of this research.

1. Introduction

Recently, Mobile vehicle has been employed in various places such as factories and hospitals. Different kinds of Mobile Vehicle will be developed to assist human beings according to the progress of science and technology.

Therefore, we carry out my research on Mobile Vehicle which no needs the human beings help, and automatically distinguishes the course, and avoids the obstacles, and reaches the final goal.

The Mobile Understanding Vehicle is that Mobile Vehicle moves automatically. If we put the Mobile understanding Vehicle to practical use, its use is practical and its work is more correct and more higher efficiency.

2. The Mobile Vehicle

Fig.1 is outline of rear wheel of the mobile vehicle. DC motor for running is set up in the rear body of the mobile vehicle. The disk to find the rotational number is set up in the DC motor. So we can measure the distance of movement.