

Topic : Robotics and Autonomous Systems

Programing Trajectory of Robot controlled via LPT port.

Stepper motor, PIC microcontroller, assembler programming laguage, socket, algorithm, feedback,

In this paper the main characteristics of the trajectory of robot programmed in the script language is to be presented. Also problems with movements of robot and recording all the movement are analised. First there is discussed converting the movement onto the script language, then particular scripts are analysed: how they are related to the movement. After designing the stepper motor trajectory the marchroute can be saved and loaded.

On the second stage the smart subroutine is presented, that controlls the stepper motor movement as to precisely reach the target.