

Elaboration of universal module for stepper motor and survey to use it in some typical engineering problems

Authors: Ilia Buzaladze, Shalva Rakviashvili

Supervisor: Assistant professor Lev Gheonjian

e-mail: buzaladze.iliko@gmail.com rakviashvili95@gmail.com

Electrical and Electronic Engineering Department, Faculty of Exact and Natural Science, Ivane Javakhishvili Tbilisi State University, Chavchavadze street, 0179, Tbilisi, Georgia

The goal of report is to present the project, which include making the universal working module for stepper motor, that can help scientists solving engineering problems.

During the project we created visualization which combines stepper motor and some different modules:

- First module combines microphone sound and light sensors.
- Second module combines microphone sound and photo interrupter sensors.
- Third module combines microphone sound and magnetic sensor.