

Design and Development of an Infrared-based Remote-Controlled Micro Robot: An Entry to the 2014 International Micro Robot Maze Contest

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ABSTRACT

This paper presents the design and development of a micro robot entered in the International Micro Robot Maze Contest (MAZE 2014). The proponents joined the remote-controlled maze category with the robot physical dimensions of 1 inch by 1 inch by 1 inch. Stepper motors were used to drive the wheels of the robot. The medium used for remote control communication is infrared technology.

KEYWORDS: infrared; micro robot; maze competition