DPRG RBNV Chat Record – 2/28/2023

Doug P.
7:37 PM
Ray talked about a 400W 3-phase motor controller he is testing on a hoverboard motor, and 2 other motors with encoders.
Doug P.
7:39 PM
Ray used an Arduino Nano (328 processor) to drive the controller.
Michael Kennedy
7:48 PM
Google: typical hoverboard 250 - 400 W motor (so 1/3 to 1/2 HP)
ed mart
7:52 PM
I think that is a Razor hoverboard.
Doug P.
7:57 PM
Doug D talked plans for steam punk robot he is building for a convention in Galveston late in the year.
Ray Casler
8:01 PM
URL for bldc motor controller https://www.aliexpress.us/item/3256801551898326.html
Doug P.
8:19 PM
Pat talked about the issues using the TT motor with a slotted disk and optical interrupter.
Pat Caron
8:26 PM
3 Motors ordered $52 CAD
Doug P.
8:32 PM
Mike W. discussed recovering NiMH batteries and issues with HSR04 ultrasonic sensors.
Doug P.
8.34
Scott says new 6-can course has been completed.
Doug P.
8:40 PM
Scott shows new 6-can course.
ed mart
8:47 PM
How many practice runs did Scott get?
Doug P.
8:54 PM
Ray showed a homemade solution to adding an encoder to an auto seat motor using the Pololu magnet and encoders.
Doug P.
8:59 PM
David A. showed some encoders that he added to Dagu branded TT motor that had an extended shaft, also based on Pololu encoders.
Pat Caron
9:02 PM
DFRobot motor with encoder https://www.robotshop.com/products/micro-6v-160rpm-1201-dc-geared-motor-encoder
Doug P.
9:28 PM
John G. found an unexpected issue with the ambient light sensor when he added his new IR illuminator to his license plate reader.