DPRG RBNV Chat Record -November 21, 2023

Carl Ott
7:38 PM
~7:37pm - Ray showed his (heavy) robot base progress - one using hoverboard brushless DC motors.
Mickey Dean
7:46 PM
Ray, any chance of finding a caster like Paul has on Mowbot?
right
video too
video posted on DPRG Clips
Carl Ott
7:51 PM
~7:50pm - Mike W - discussed his next indoor robot concept - he's starting to get serious and put some money into it.
Waiting on a camera - trying to evaluate trade-offs between motor weight and power...
Carl Ott
7:53 PM
Mike is considering this specific motor / maybe half the price of similar looking more professional
motors... https://www.amazon.com/Small-Motor-Encoder-Arduino-Printers/dp/B07GNF3WTC
Sorry - this one - the 150RPM version https://www.amazon.com/Small-Motor-Encoder-Arduino-Printers/dp/B07GNFYGYQ
Jesse Brockmann
7:55 PM
I prefer yellow jacket motors. https://www.servocity.com/5203-series-yellow-jacket-planetary-gear-motors/
but they are pricey.
depends on your vehicle size.
Tom C - Hamilton, ON
7:56 PM
Drive Motor Sizing Tool: https://community.robotshop.com/blog/show/drive-motor-sizing-tool
Jesse Brockmann
8:00 PM
overvolt! ;)
Mickey Dean
8:03 PM
I can attest to that fact.
Jesse Brockmann
8:03 PM
37d motors at Pololu are 29% off and 25d motors are 32% off for black Friday/cyber Monday
Ponder SomeMore
8:05 PM
fail always and thoroughly.
Jesse Brockmann
8:14 PM
I just bought a Roomba create 3. :)
Jesse Brockmann
8:18 PM
pi is a bit weak for ROS
Mickey Dean
8:20 PM
Doug, any chance of getting the article posted in chat?
Mickey Dean
8:24 PM
thanks Carl and Doug
Doug Paradis

8:26 PM
Cheap ROS Robot article: https://robofoundry.medium.com/building-cheapest-ros2-robot-using-esp32-part-1-hardware-build-af0044de68ce
Ponder SomeMore
8:27 PM
Gobinda is 25% off this week.
Jesse Brockmann
8:30 PM
Benewake TFMINI Plus Micro LIDAR Module
Carl Ott
8:35 PM
~8:33pm - Jesse - nice presentation on his current competition project
Carl Ott
8:36 PM
This is for an F1TENTH competition https://f1tenth.org/
Carl Ott
8:38 PM
Documentation on a ROS 2 based build https://f1tenth.org/build.html
8 to 10 meters per second nearly 20~22 mph
Carl Ott
8:41 PM
Nice documentation to learn about the F1tenth project and underlying technology https://f1tenth.org/learn.html
Mickey Dean
8:42 PM
Jesse, nice presentation...very inspiring
Mickey Dean
8:55 PM
Jesse, do you prefer Ackerman to Skid Steer?
Ted Meyers
8:58 PM
Mickey, I believe that F1tenth has requirements for what vehicle chassis may be used, so it is Ackerman by definition.
Mickey Dean
8:59 PM
ahh, I should have realized that.
I guess I am intrigued which is easier to start with, you know?
Doug Paradis
9:00 PM
Mickey, I think for racing, Ackerman would be preferred.
Ted Meyers
9:01 PM
My opinion is that using an off the shelf rc car is easiest to get started, but skid-steer/2 wheel bots are easier to use, once they are built
Yeah, for going fast, Ackerman is best!
ed mart
9:03 PM
Weight of car? Total length?
Mickey Dean
9:06 PM
Jesse, very impressive
Jesse Brockmann
9:10 PM
thanks. :)
Harold Pulcher
9:12 PM
https://texasrobotcombat.com/

Jesse Brockmann
9:14 PM
Ant's can weigh as much as one pound, depending on the competition.
Carl Ott
9:18 PM
2941 Commodore Dr, Carrollton, TX 75007
Carl Ott
9:20 PM
that's the address for battle bots' competition on 9 Dec 2023
~9:20pm - John K showed a Thingiverse project for grippers, and a Raspberry Pi 5 group a TheLab.ms- on 2 Dec.
Carl Ott
9:24 PM
Gripper Base https://www.thingiverse.com/thing:6284508
Carl Ott
9:25 PM
and then here's the gripper collection to go with the base https://www.thingiverse.com/thing:6327027
Carl Ott
9:26 PM
Here's a link to the Raspberry Pi 5 demo coming up at TheLab.ms on 2 Dec 2023 https://wiki.apps.thelab.ms/en/rpi5
John K
9:27 PM
https://wiki.apps.thelab.ms/en/rpi5
https://www.thingiverse.com/thing:6284508
https://www.thingiverse.com/thing:6327027
Carl Ott
9:28 PM
~9:27pm - Doug D showed a motor controller he picked up -
Carl Ott
9:29 PM
https://www.amazon.com/DROK-Controller-Regulator-Industrial-Optocoupler/dp/B06XGD5SCB
Mickey Dean
9:30 PM
nice