DPRG RBNV Chat Record – 3/8/2022

Carl Ott
7:34 PM

Here is an invitation to the Personal Robotics Discord server https://discord.gg/v5SSRPbn

Ross Murphy
7:39 PM

Thanks again. Gtg.

Carl Ott
7:40 PM

https://discord.gg/v5SSRPbn

Carl Ott
7:48 PM

~7:43pm - Paul B gave an update on his MowBot... Including a video and Ros SwRL log review - presented via OBS for clean presentation

Carl Ott
7:51 PM

Paul demoed tools for logging and bringing the robot up with some 'wake-up' or 'calibration' scripts...

Ray
7:54 PM

With those gears I think you can forget about stealth mode.

Carl Ott
7:56 PM

Paul - touted a cool ROS program called "PlotJuggler" - lets you make new graphs for adding traces, download bag files - and pull up and plot ROS topics

Carl Ott
8:01 PM

~8:00pm showed how could also play back the same bag file via rviz, to visualize from a 3D world perspective

Carl Ott
8:04 PM

Gold Star for Paul!

7 photons
8:07 PM

where can I find the discord link?

Ray
8:07 PM

https://discord.gg/v5SSRPbn

7 photons
8:08 PM

Thank you!

Ponder SomeMore
8:12 PM

"your expectations may not be well-founded"

that is about my whole experience with robotics

Carl Ott
8:12 PM

hahahahahahah!

Carl Ott
8:21 PM

~8:15pm- Pat showed progress on his robot - working on navigating to a target but avoiding a box - tweaks ongoing...

Carl Ott
8:31 PM

Lots of discussion around running multiple python files together with ROS - using launch files - keeping them happy / working together on Linux

Ponder SomeMore
8:39 PM

grok

both dated and underused

Ponder SomeMore
8:56 PM

speaking of training wheels and turning it up to 11....

got a very short thing to show

Carl Ott
9:00 PM

Gold Star for Pat!

Harold Pulcher
9:00 PM

https://www.youtube.com/watch?v=2pVsaWwAOh0

Carl Ott
9:00 PM

~9:00pm Harold showed cool robot

Pat Caron
9:03 PM

I have to go. Very early morning. Thanks for the help!!

Carl Ott
9:03 PM

is anybody else trying to match Harold's lips with the lady on the screen?

Carl Ott
9:09 PM

~9:07pm - Karim showed an Iron Reign stress test - spinning around quickly and leaning heavily on it's outrigger - with a construction that is both flexible and quite robust

Carl Ott
9:13 PM

~9:12 - Karim mentioned that Rev Robotics has nice 550 motors with built-in gear boxes and encoders also have planetary and "ultra-planetary" gearhead options

https://www.revrobotics.com/frc/maxplanetary-system/

Carl Ott
9:16 PM

https://www.revrobotics.com/rev-41-1600/

Carl Ott
9:17 PM

gold star for Iron Reign in-absentia

Chris N

9:36 PM

Time's up for me today.... See you next week.

Carl Ott
9:38 PM

John asked about servo noise

discussion around stress / torque / cost of servo

or replacing noisy servo with "Muscle/nitinol wire"

servo... https://www.eevblog.com/forum/projects/less-noisy-alternative-to-servo-muscle-nitinol-wire/

7 photons
9:43 PM

They've really been prioritizing object-oriented design at school, so that sounds interesting.

Carl Ott
9:44 PM

Discussion on Object Oriented design methods...

Carl Ott
9:45 PM

and the recording laptop died again.