

Chat Record for DPRG RBNV – Dec 1, 2020

Ray

7:41 PM

the orientation of the antenna may matter

Ray

7:44 PM

Doug - which intelrealsense camera do you have?

Harold Pulcher

7:45 PM

<https://www.mistyrobotics.com/>

Harold Pulcher

7:48 PM

https://blogs.unity3d.com/2020/11/19/robotics-simulation-in-unity-is-as-easy-as-1-2-3/?fbclid=IwAR3vzJLVwpDFwpohLaghwAVzQJYsonQwZNynvbm4N3CbB_rQ-6BmuXcWMHY

You

7:49 PM

Thanks Harold - Unity based robot simulator - integrates with ROS

You

7:58 PM

FWIW - this article gives an overview of "The Volume" - the special sound stage used for Star Wars "The Mandalorian" - > it's petty cool how they've integrated the Unity Game engine with a room that has LED screens for walls, and motion capture on the camera to perspective correct the scene on rendered on the wall - based on where the camera is looking... <https://techcrunch.com/2020/02/20/how-the-mandalorian-and-ilm-invisibly-reinvented-film-and-tv-production/>

Harold Pulcher

7:58 PM

<https://learn.adafruit.com/animated-snake-eyes-bonnet-for-raspberry-pi?view=all#overview>

Ray

8:00 PM

don't you hate it when that happens...

Ray

8:01 PM

dilated cat eyes .. just before they attack

Ray

8:06 PM

It's the integrated area between the two lines...

Ray

8:16 PM

I like knobs...

Ray

8:17 PM

i like big knobs and I can not lie...

You

8:18 PM

buttons, knobs and switches - oh know - sounds like lots of complexity...

Jian Shi

8:44 PM

Marker coordinate for challenger course: 50.0000,12.1000,359.0000

You

8:47 PM

for Virtual Line Following contest - Need to use the `lfs.defineLapCourse()` function to define a lap course.

And use the .mrk file to have a single marker to define the exact start/end point

Ray

8:48 PM

simulated glare ...

round off error??

Ray

8:51 PM

cookie crumb density..

Ray

9:05 PM

Challenge course lite.. the 4th course

You

9:05 PM

lots of course options

doug paradis

9:08 PM

Answer for Jian's question about the segmented S curves can be seen on DPRGclips

channel <https://www.youtube.com/watch?v=lfEdCnWuVMs>. My particular robot can be viewed at 17:48 -

19:32. Several other competitors are on the video.

David

9:11 PM

I can hear you. not me?

I am un muted. I am going to log out and try again

Ron Grant

9:15 PM

muted again

You

9:18 PM

Darrell is working on an MIT Racer -

e.g. <https://www.google.com/search?q=mit+racer&oq=mit+racer&aqs=chrome..69i57j0i22i30i7.2677j0j7&sourceid=chrome&ie=UTF-8>

You

9:20 PM

<https://racecar.mit.edu/platform>

You

9:23 PM

You can find DPRG contest rules here <https://www.dprg.org/contest-rules/>

And the outdoor contest we call RoboColumbus-Plus: robocolumbusplus-v20150726

<https://www.dprg.org/wp-content/uploads/2018/09/robocolumbusplus-20150726.pdf>

Robots New Zealand

9:33 PM

micro-ROS <https://micro-ros.github.io/>

You

9:34 PM

As David Anderson was discussing - Robots with Two Raspberry Pi's - one for lower level Robot behavior running something like Free RTOS, and the other Pi running Micro ROS, for higher level functions

<https://www.freertos.org/>

David

9:35 PM

no, lower level is ARM STM32 Nucleo

You

9:35 PM

ahh - ok

Ray

9:52 PM

I like the ros robots that were mangling refrigerator doors trying to get a can of beer

You

9:55 PM

MicroPython for STM32

<https://www.st.com/en/embedded-software/grpl-upython.html>