

DPRG RBNV Chat Record – 3/23/2021

Robots New Zealand

8:11 PM

Adafruit TCA9548A I2C Multiplexer <https://www.adafruit.com/product/2717>

doug paradis

8:21 PM

```
// convert angle from 0,360 deg to 180,-180 deg (positive is CW) ptr_unit->yaw_angle_deg =  
fmod((event.orientation.x + 180.0), 360.0) - 180.0;
```

you need to include <math.h>

doug paradis

8:23 PM

it is in the chat

yes but it is behind you\

Pat Caron

8:29 PM

I have to cut out early tonight. Catch you next week.

Ananya Netter

8:33 PM

The terms binary angular measurement (BAM)[2] and binary angular measurement system (BAMS)[3] as well as brads (binary radians or binary degree) refer to implementations of binary angles. They find use in robotics, navigation,[4] computer games,[5] and digital sensors.[6] No matter what bit-pattern is stored in a binary angle, when it is multiplied by 180° (or π) using standard signed fixed-point arithmetic, the result is always a valid angle in the range of -180 degrees ($-\pi$ radians) to $+180$ de

You

8:59 PM

Donna -

check out <https://ngrok.com/>

related to dyn dns

Ananya Netter

9:12 PM

nginx

You

9:12 PM

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

easy to use but powerful and scalable web server

Ananya Netter

9:13 PM

mjpeg-streamer ?

You

9:16 PM

Donna - were you referring to this? <https://github.com/jacksonliam/mjpg-streamer> yes I've seen that library before - it seems to be well enough behaved...

Donna - Seattle

9:18 PM

Yes Carl, that is the library

You

9:19 PM

Cool - yes - it's on my original line follower, which uses a Pi Zero on an Alphabot 2 Chassis -

You

9:20 PM

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

Doug Dodgen

9:22 PM

<https://www.realvnc.com/en/connect/download/viewer/>

You

9:26 PM

somebody was asking about options to log into computers remotely - here's another one - Team Viewer -

e.g. I use this to manage mom & dad's computers since they live 1200 miles

away <https://www.teamviewer.com/en-us/>

for family use like that, they don't charge...

which is good, because for corporate use - it's expensive

You

9:30 PM

<URL hidden from public share>

Ananya Netter

9:48 PM

One technology that the letsrobot.tv service is using is socket.io. maybe something to read up on....

Socket.IO enables real-time, bidirectional and event-based communication. It works on every platform, browser or device, focusing equally on reliability and speed

Doug Dodgen

9:49 PM

Using VNC to Control a Remote Robot Step 1 – Sign up for a RealVNC

Account. <https://manage.realvnc.com/en/> Enter your email address to be used to control up to five remote computers in the free HOME account level and follow the instructions clicking NEXT when requested to do so. You will eventually receive a confirmation email to the address you gave, which must be processed before the account is active. Step 2 – Install VNC Viewer on the computer that will control the robot.

Download from Down

7 photons

9:50 PM

I'm going to go

Ananya Netter

10:20 PM

Getting late over here..... Good discussion. Good night!