

DPRG RBNV Chat Record – 11/9/2021

Carl Ott

7:43 PM

~7:42 - Ted - referenced kids' book "Carry on Mr. Bowditch" about the renowned navigator. Then revisited PID loops

<https://www.amazon.com/Carry-Mr-Bowditch-Jean-Latham/dp/0618250743>

Carl Ott

8:05 PM

~8:04 David showed an example of PID loop response to a step function

Ted Meyers

8:06 PM

Definition of Slew: to turn or slide violently or uncontrollably in a particular direction.

violently!

I guess that's why you need a limiter

Carl Ott

8:09 PM

here's another definition of slew rates and limiting https://en.wikipedia.org/wiki/Slew_rate

Carl Ott

PM

~8:21 - Murray gave an update - team of 4 on the Discord server - getting close to a finished design for a PC board for the custom motor controller project

John- working on PCB

Rud Merriam

8:23 PM

Is the discord server open? I'd like to join.

Carl Ott

8:23 PM

Adam working on RP2040 code / beginning of an I2C interface library

Murray working on a sample test bed to verify things.

You

8:32 PM

Here is a link to the Personal Robotics Discord server. Good for about 7 days... <https://discord.gg/KA9K7R26>

that's an invitation link

Ray

8:34 PM

Carl, What happened to your middle finger?

Carl Ott

8:35 PM

Ray - Myxoid surgery last Friday - i get to wear the splint until next Tuesday...

Carl Ott

8:38 PM

~8:38 Rud gave an intro to Behavior Trees

Ray

8:55 PM

This reminds me of the game Larry Leisure Suit...

Ponder SomeMore

8:56 PM

throwback

Ponder SomeMore

9:17 PM

<https://github.com/BehaviorTree/awesome-behavior-trees>

Carl Ott

9:18 PM

ha - Karim - I found that same link a few minutes back - it's a nice mix including some robot examples, libraries and projects <https://github.com/BehaviorTree/awesome-behavior-trees>

I also found these.. node.js

libraries <https://www.npmjs.com/search?ranking=popularity&q=behavior%20tree> Python

libraries <https://pypi.org/search/?q=behavior+tree> lots of GitHub hits for Behavior

Tree <https://github.com/search?q=behavior>

Carl Ott

9:26 PM

~9:24 - David Anderson - looked at performance / variation of robot going in straight line about 10 feet, turning around, back 10 feet, etc...

Carl Ott

9:35 PM

~9:35 - David shows how he can export logs of data from his STM32 based robot