

DPRG RBNV - 10/13/2020 Chat Record

00:13:17.674,00:13:20.674

Doug Dodgen: Another way to measure distance if you know the size of the object in your picture.

00:13:20.597,00:13:23.597

Doug Dodgen: <https://www.pyimagesearch.com/2016/04/04/measuring-distance-between-objects-in-an-image-with-opencv/>

00:34:18.068,00:34:21.068

Ponder SomeMore: did I hear wife block?

00:37:12.419,00:37:15.419

Carl Ott: quite possibly - where's instant replay when you need it?

00:38:06.773,00:38:09.773

Harold Pulcher: sorta, but she has her deal as well. it works out pretty well.

00:38:11.493,00:38:14.493

Harold Pulcher: :)

00:41:17.109,00:41:20.109

Harold Pulcher: seems that there is only one of these left, if someone wants it.... https://www.worldofbooks.com/en-us/books/joseph-l-jones/mobile-robots/9781568810119?msclkid=78424975850b13e0f92116f3d470292a&utm_source=bing&utm_medium=cpc&utm_campaign=S2%20-%20Books%20-%2030.00%2B%20-%20Y%26D%20-%20Bing&utm_term=4574999166464218&utm_content=30.00%2B#GOR003539849

00:46:45.779,00:46:48.779

Ponder SomeMore: what's bufferMan's kryptonite?

00:47:05.916,00:47:08.916

Ponder SomeMore: overflow

00:47:10.123,00:47:13.123

Ray: bad memories...

00:47:30.075,00:47:33.075

Carl Ott: @harold

00:47:33.310,00:47:36.310

Harold Pulcher: :)

00:47:52.661,00:47:55.661

Carl Ott: thanks for the link - > I doubt there is another copy of that book - I snagged the one you flagged ;--)

00:49:18.109,00:49:21.109

Harold Pulcher: awesome... trying to share

00:49:39.030,00:49:42.030

Ponder SomeMore: Jian timed out?

00:50:59.671,00:51:02.671

Ponder SomeMore: oops he did it again

00:52:20.553,00:52:23.553

Carl Ott: Ponder SomMore -> Lyricist ;-)

00:57:07.531,00:57:10.531

Carl Ott: Karim - were you alluding to this?

<https://www.youtube.com/watch?v=CduA0TULnow>

00:59:37.465,00:59:40.465

Chris N: Murray - what's the URL for your stuff in github or similar?

01:00:25.162,01:00:28.162

Ponder SomeMore: caught me...

01:05:37.889,01:05:40.889

doug paradis: Here is a good article on Arduino simulators

(<https://tutorial45.com/arduino-simulator-emulator/#9>)

01:08:29.059,01:08:32.059

Ponder SomeMore: i don't think that's changed

01:09:08.343,01:09:11.343

Carl Ott: something like 20 minutes lag in each direction - makes for quite a sample time in a PID loop...

01:09:17.460,01:09:20.460

Carl Ott: ohh -there I said it - PID...

01:10:07.121,01:10:10.121

Carl Ott: and we got nearly 1.5 hours into the meeting before PID surfaced...

01:13:18.883,01:13:21.883

Carl Ott: gotta step away - back in a minute...

01:21:15.279,01:21:18.279

Ponder SomeMore: all robotics reduces down to go left or go right

01:21:43.999,01:21:46.999

Carl Ott: put the right actuator in, put the right actuator out, put the right actuator in and shake it all about...

01:22:18.150,01:22:21.150

Ponder SomeMore: that's gonna be in my head till morning

01:22:35.393,01:22:38.393

Carl Ott: you're welcome!

01:25:21.425,01:25:24.425

Ponder SomeMore: convenience is a great motivator

01:28:52.475,01:28:55.475

Chris N: firmata

01:30:39.709,01:30:42.709

Carl Ott: yeah - for Jian - having PC as 'heart of the system' - without the overhead of ROS - perhaps consider the firmata library
<https://www.arduino.cc/en/reference/firmata>

01:41:25.749,01:41:28.749

Ray: to quote Dave Ackley it is just smop -small mater of programming

01:42:37.881,01:42:40.881

Ray: oops mater has 2 ts

01:43:55.810,01:43:58.810

David: debugability? Is that a word?

01:44:08.210,01:44:11.210

Carl Ott: it is nowe!

01:44:12.165,01:44:15.165

Carl Ott: now!

01:44:26.195,01:44:29.195

Carl Ott: SMOP

01:46:55.041,01:46:58.041

Ponder SomeMore: swerve drive

01:47:23.898,01:47:26.898

Harold Pulcher: yeah swerve drive

01:54:01.562,01:54:04.562

Ray: son of a b..?

01:58:37.938,01:58:40.938

Carl Ott: <https://github.com/ron-grant/LFS>

01:58:50.036,01:58:53.036

Carl Ott: Jian - there is the link to Ron's repo...

02:01:11.397,02:01:14.397

Ron Grant: Will should be showing up soon.

02:08:07.843,02:08:10.843

Ray: The answer is 42

02:08:59.124,02:09:02.124

Ponder SomeMore: wrong question

02:09:15.325,02:09:18.325

Carl Ott: deep thought

02:10:29.307,02:10:32.307

Ponder SomeMore: the code is simple enough - test it in Ron's sim

02:11:52.129,02:11:55.129

Ponder SomeMore: dpa - past the code in the chat

02:12:02.315,02:12:05.315

Ponder SomeMore: paste

02:17:23.597,02:17:26.597

Ponder SomeMore: lol

02:18:58.347,02:19:01.347

David: /* -----

- */

/* piro_task() called from prowl at 25 Hz if enabled */

/* Define offset in radians from robot heading to beginning of sin wave

* velocity sequence needed to drive a straight line.

*

* p_piro_trim allows some fine adjustment in integer degrees. Currently

-1

*/

#define POFFSET (((PI/8.0)*5.0)+((float)p_piro_trim/RADS))

/* Set prowl.cmd (velocity) based on sin of offset from current robot heading

* and angle to target.

02:19:56.030,02:19:59.030

Chris N: send the code to the mailing list

02:22:30.740,02:22:33.740

Ray: I know it's harmonic convergence

02:23:19.721,02:23:22.721

Chris N: Getting late on the east coast..... See you next week.