# DPRG Oct 10, 2020 Virtual Monthly Meeting Chat Record

00:02:31.801,00:02:34.801
Carl Ott: Note: Ron Grant has built the LFS simulator and made it public.

00:02:41.070,00:02:44.070
Carl Ott: you can clone it from here https://github.com/ron-grant/LFS

00:03:44.238,00:03:47.238
Carl Ott: In today's meeting, Ron presented master branch commit 1c0a611 created on 10 Oct 2020

00:06:05.744,00:06:08.744
Carl Ott: DPRG will host a virtual line following competition on 12 Dec 2020, in the afternoon in Dallas.

00:06:32.162,00:06:35.162
Carl Ott: Get into the action - clone the repo & start on your own controller today!

00:14:27.394,00:14:30.394
Chris N: FYI, my CoppeliaSim presentation and example source code is here: https://github.com/nettercm/simple_3pi_simulation

00:24:38.124,00:24:41.124
Ray: If Doug sees it , it is really bad...

00:25:13.707,00:25:16.707
Ray: Try distracting him when it happens...

00:30:25.828,00:30:28.828
Carl Ott: I love it -

00:30:29.572,00:30:32.572
Carl Ott: Less time chasing the robot

00:30:36.801,00:30:39.801
Carl Ott: More time improving the logic!

00:48:29.811,00:48:32.811
Carl Ott: Another great quote:

00:48:42.847,00:48:45.847
Carl Ott: "All models are wrong. Some models are useful"

01:09:01.543,01:09:04.543
Ron Grant: There is a new plug in that supports ray tracing

01:09:21.185,01:09:24.185
Carl Ott: ok - now I'm drooling...

01:09:44.681,01:09:47.681
Ron Grant: you will need a better video card, Carl

01:12:40.247,01:12:43.247
Carl Ott: grrr - but I have one of these-  shoudl be better than a basic
standard motherboard

01:12:41.286,01:12:44.286
Carl Ott: GeForce GTX 1050 Ti Max-Q     768 @ 1151 – 1290 - 1290 – 1417
MHz   128 Bit @ 7000 MHz

01:24:40.129,01:24:43.129
Ron Grant: OK, not bad. GTX 1060 seems to be what I have in my
machines... 10X+ speed available...  in latest Nvidia cards..

01:26:49.836,01:26:52.836
Carl Ott: Ron - I may bug you at some point - I find a lot of head
scratching involved in getting any given program to use the video card -
so many times, they just use the motherboard card by default...  Some
combination of laptop power plan and capability of program...

01:34:45.722,01:34:48.722
Carl Ott: Jeez - if ray tracing would work as expected, and you had
lighting and robot body modelled reasonably - you could easily wind up
similar to the real world - where your robot starts to follow it's own
shadow...

01:55:20.520,01:55:23.520
Carl Ott: Chjris mentioned cocoOS    https://www.cocoos.net/

01:56:29.950,01:56:32.950
Carl Ott: cocoOS looks a little like Dave Andersons LMK...  ???

02:04:41.369,02:04:44.369
Ron Grant: Not sure I know that much, Carl.

02:05:16.052,02:05:19.052
Ron Grant: Processing is good about using GPU

02:08:07.501,02:08:10.501
Ron Grant: go on open it

02:08:14.504,02:08:17.504
Ron Grant: I want to know how scary

02:08:25.883,02:08:28.883
Ron Grant: 12 classes

02:19:04.504,02:19:07.504
Ron Grant: Carl, Am I allowed 30 seconds for my response at the end of
Chris' presentation?

02:19:43.274,02:19:46.274
Ron Grant: Oops. Carl vanished.

02:20:04.232,02:20:07.232
Ron Grant: Carl!!! See above

02:25:20.755,02:25:23.755
Carl Ott: Ron - the Committee on Presidential Simulation...     wait -
no need for a debate here....    OF COURSE you can jump in !

02:27:47.482,02:27:50.482
Ray: Doug  - look away ..

02:27:55.619,02:27:58.619
Ron Grant: that was my next question

02:29:38.485,02:29:41.485
Ron Grant: there is a flag you can set in LFS to make it 3D with spot
light - I will show it.

02:32:02.662,02:32:05.662
Ron Grant: I will have to take another look at client server model, but
slowed things down too much

02:32:59.917,02:33:02.917
Ron Grant: So we can play with this code?

02:35:28.563,02:35:31.563
doug paradis: chris, please put your github link in the chat.

02:35:53.019,02:35:56.019
doug paradis: thanks!

02:35:54.082,02:35:57.082
Carl Ott: Chris N1:23 PM
FYI, my CoppeliaSim presentation and example source code is here:
https://github.com/nettercm/simple_3pi_simulation

02:41:29.549,02:41:32.549
Ray: The simulated mitten has been thrown down..

02:45:07.402,02:45:10.402
Carl Ott: We've stepped to anther level -  from a competition for line
follower robots, to a competition for line following robot simulators...

02:48:12.290,02:48:15.290
doug paradis: Thanks Chris! Excellent presentation.

02:49:18.263,02:49:21.263
Ron Grant: Great Chris!!