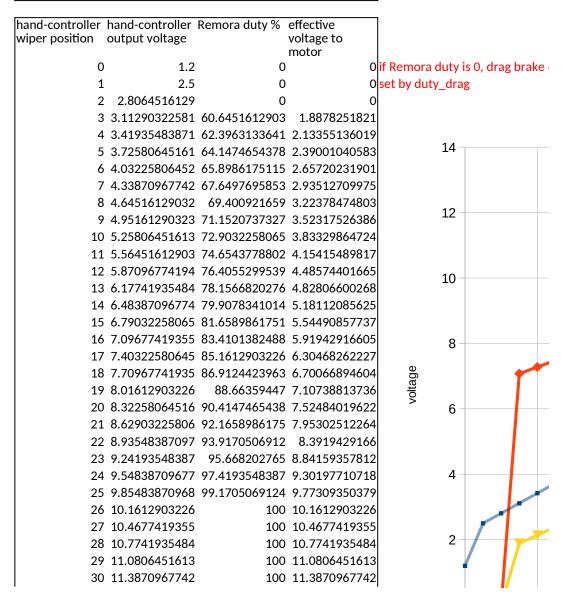
hand-controller, track settings

DATA		value	units
	anti-brake voltage	1.2	V
	hand-controller sensitivity (min voltage)	2.5	V
	track supply voltage (max voltage)	12	V

CALCULATION m 0.3064516129 c 2.1935483871 assuming output voltage is linear with respect to wiper position, not quite correct but good enough to demonstrate the effect of the settings



duty min max

31 11.69	35483871	100 11.693	35483871	
32	12	100	12	0

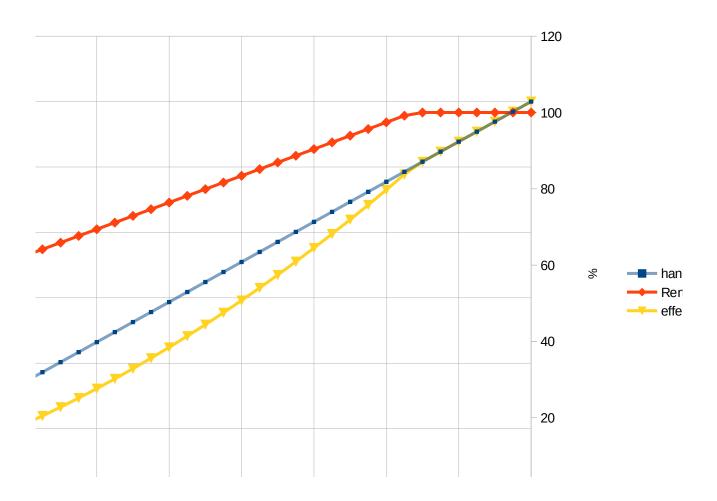
duty min max

firmware settings

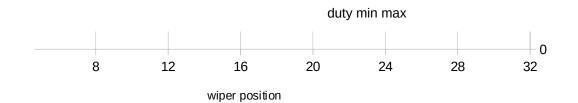
DATA	value	units
ANALOG_MIN as a voltage	3	V
ANALOG_MAX as a voltage	10	V
duty_min	60	%
duty_max	100	%

CALCULATION				
ANALOG_MIN firmware number	540.98360656 number			
ANALOG_MAX firmware number	1803.2786885 number			
m	5.7142857143			
c	42.857142857			

can be active



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duty min max

d-controller output voltage nora duty % ctive voltage to motor