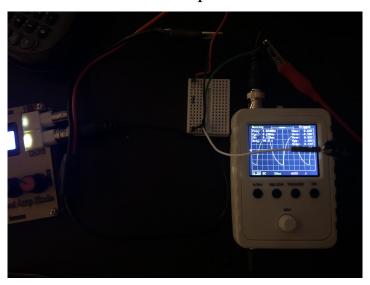
## Lab 9: RC Discharge

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April 24, 2021

Table 1: Discharge										
R	C	f(Hz)	$V_{min}(V)$	$t_{srn}(DIV)$	SEC/DIV	$t_{srn}(s)$	$V_{srn}(DIV)$	V/DIV	$V_{srn}$	$V_{dischg}(V)$
100Ω	$0.22\mu F$	4.024kHz	-0.55V	, , ,	50us	, , ,	` '	0.2V		3 ( )
100Ω	$0.22\mu F$	$4.024 \mathrm{kHz}$			50us			0.2V		
100Ω	$0.22\mu F$	$4.024 \mathrm{kHz}$			50us			0.2V		
$100\Omega$	$0.22\mu F$	$4.024 \mathrm{kHz}$			50us			0.2V		
$100\Omega$	$0.22\mu F$	$4.024 \mathrm{kHz}$			50us			0.2V		
$150\Omega$	$0.22\mu F$				50us			0.2V		
$150\Omega$	$0.22\mu F$				50us			0.2V		
$150\Omega$	$0.22\mu F$				50us			0.2V		
$150\Omega$	$0.22\mu F$				50us			0.2V		
$150\Omega$	$0.22\mu F$				50us			0.2V		
$270\Omega$	$0.22\mu F$				50us			0.2V		
$270\Omega$	$0.22\mu F$				50us			0.2V		
$270\Omega$	$0.22\mu F$				50us			0.2V		
$270\Omega$	$0.22\mu F$				50us			0.2V		
$270\Omega$	$0.22\mu F$				50us			0.2V		
$47\Omega$	$0.22\mu F$				50us			0.2V		
$47\Omega$	$0.22\mu F$				50us			0.2V		
$47\Omega$	$0.22\mu F$				50us			0.2V		
$47\Omega$	$0.22\mu F$				50us			0.2V		
$47\Omega$	$0.22\mu F$				50us			0.2V		

## Setup



Graph 1

graph 1

## Graph 2

 ${\rm graph}\ 2$ 

• What is the value of the slope in the second graph and how does that compare to what you expected?