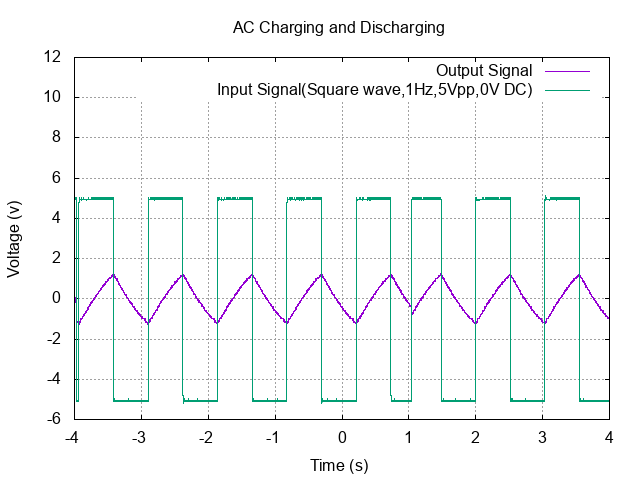
LAB-2 REPORT

RC Circuits

**K Nithin Raj and Kayyuru Prakash**

31.08.2018

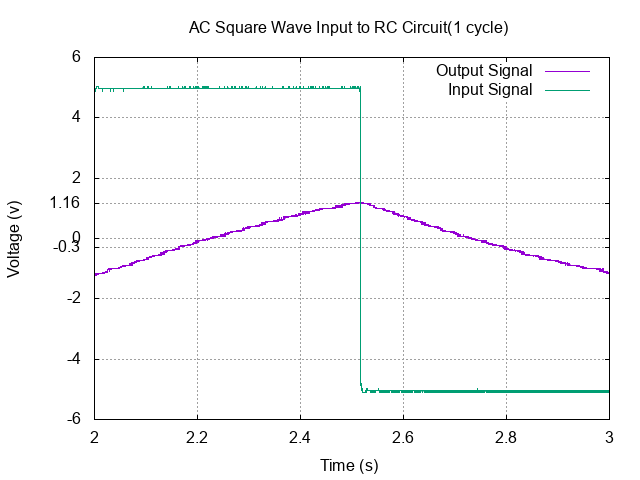
# AC Signal to RC Circuit :



* 1 cycle : Theoretical RC = (10\*10-6)\*(100\*103)

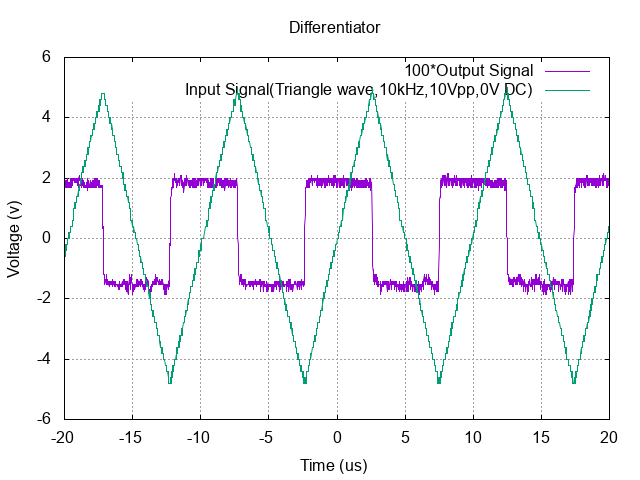
= 1s

Experimental RC = 0.3s

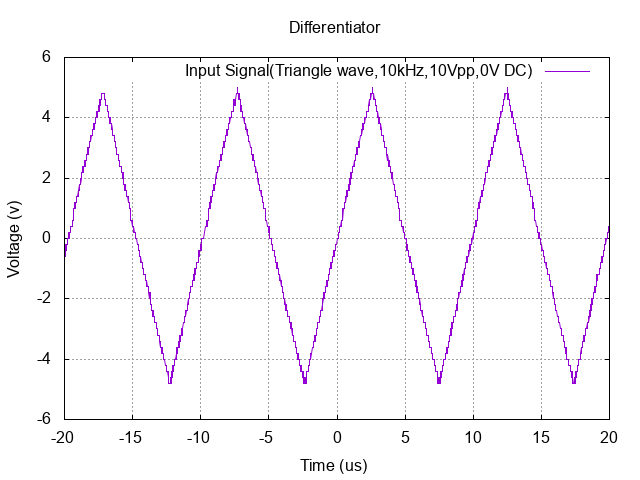


# Differentiator :

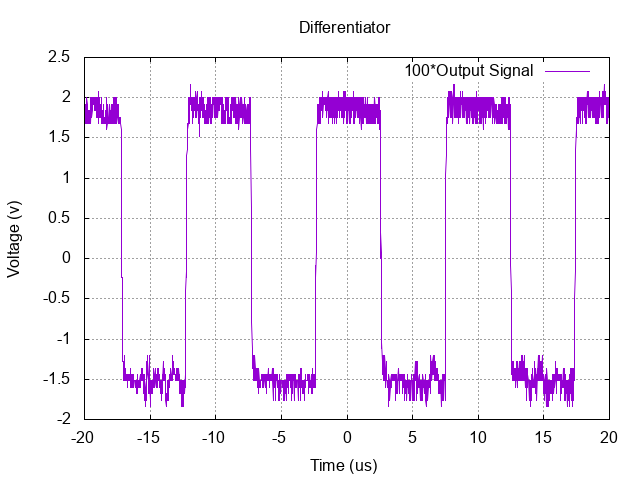
* Input and Output Signal



* Input Signal :

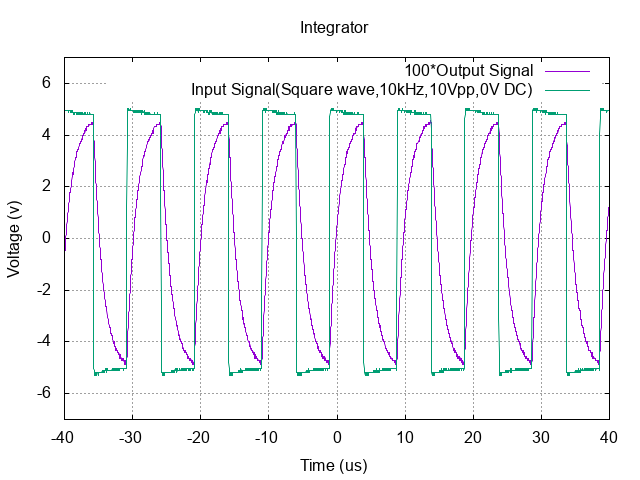


* Output Signal :

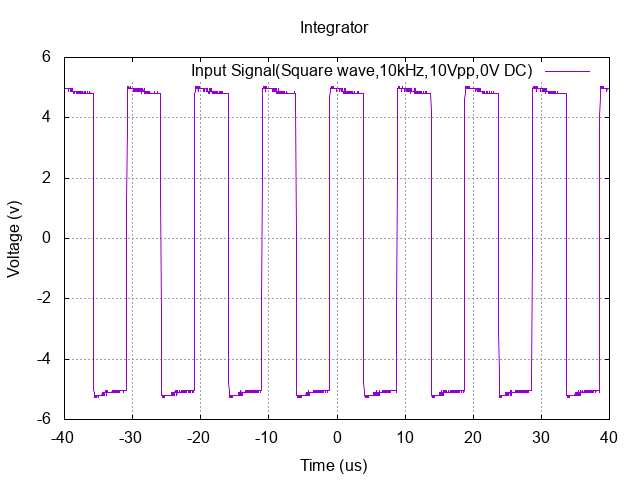


# Integrator :

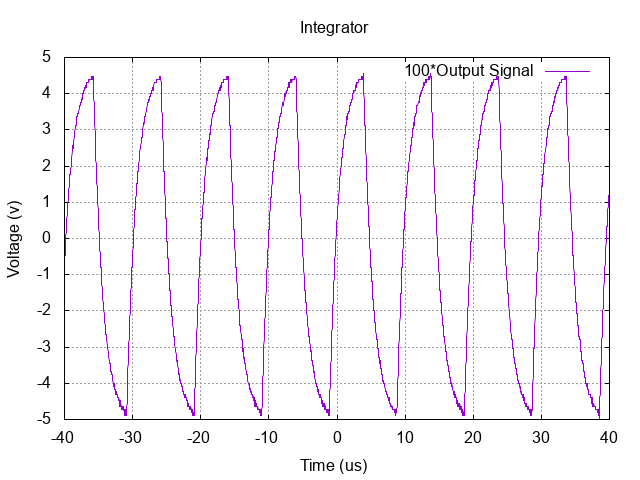
* Input and Output Signal :



* Input Signal :



* Output Signal :

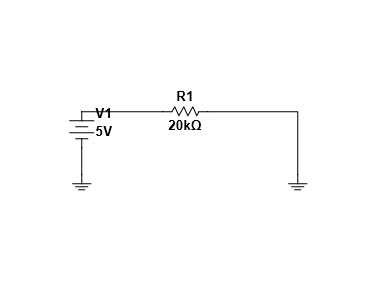


### Multisim

# I-V Characteristics :

* **Resistors : 10k ohm and 20k ohm**
* Circuits :

# 

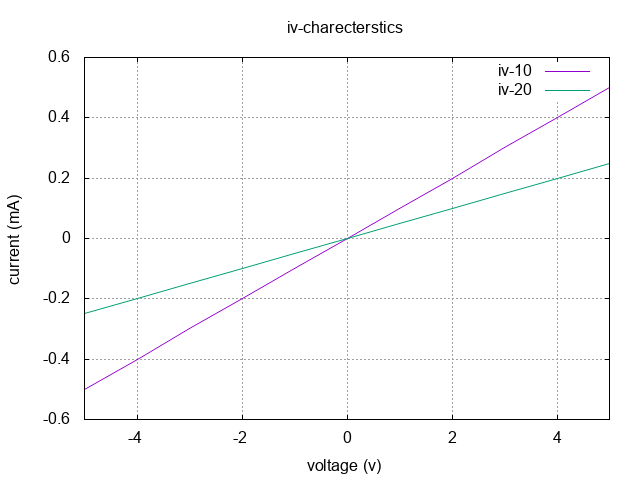


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` ` `

# 

* Graph :



# 

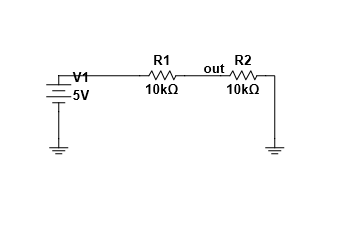
# 

# 

# 

# Voltage Divider :

* Circuit :



* Graph :

# 