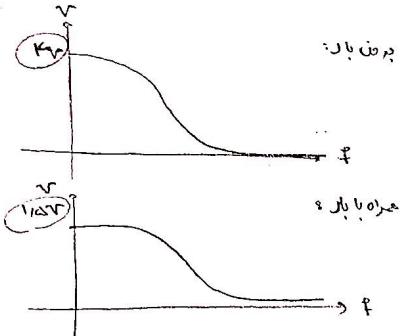


مینایله - که انسچیپر : هلاه ۹۸۳۱ - گزارش آز ماسش ۷
 سیار RC بانس گذار :
 پیش گزارش ۱:



همون باره: screenshot
 ب تردودات باره ω_{max} که هست سیار V_{max} . (برندازه اطمینان داریم ؟ ذیرا سوال زیر گرفت نیک مقام است) برایان لذتی نه خازن می رسد. هست ماس شور بیان می شود V_{max} آن که ω_{max} پیش آمد.

$$f_C = \frac{1}{\pi R C} \text{ است وقت معلمی سینیم } R_{eq}$$

کمتر سرعت دارد نتیجه، f_C بینتر سرعت

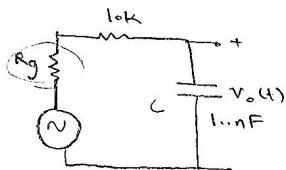
شرح آزمایش ۱: screenshot جای سینیم ساز را (دویو سوت آمده) از.

$$\leftarrow \frac{V_o}{V_i} = \frac{1}{\sqrt{1 + \frac{f^2}{f_C^2}}}$$

$$V_o = \frac{1}{\sqrt{1 + \frac{f^2}{f_C^2}}} \approx 4 \times \sqrt{\frac{1}{1 + \frac{f^2}{f_C^2}}} \quad \text{باشد.}$$

$$\rightarrow \text{در اینجا } f_C \approx 108,499$$

$$\text{تذویری } \rightarrow f_C = \frac{1}{\pi R C} \approx \frac{1}{\pi \times 314 \times 6k \times 100n} \approx 109,123 \quad \boxed{1} \quad \checkmark$$



پیش گزارش ۲:

لذتی و R_g راسی می بینیم. درجه آز سیار داریم. اسلامی میت هم درج است آنها.

$$108,499(442) = f_C \text{ در طبقات عادی بعنوان بار } -2$$

$$f_C \text{ در طبقات عادی بعنوان داری بینیم } 108,499 \text{ هر چند که } 108,499$$

$$\text{تذویری } \rightarrow f_C = \frac{1}{\pi R C} = \frac{1}{\pi \times 314 \times (0,4k \times 1k) \times 100n} = \boxed{108,499} \quad \checkmark$$

(1)

هر مقدار R دارای انگرال گیرنده است، مثلاً انگرال گیرنده ستوود

زیرا در انگرال گیرنده مقدارهای ثابت و مثبت است، یعنی باسیب + مقدارهای مثبت ثابت، منفی است یعنی خوب باسیب - مقدارهای مثبت R ، به خوبی بین تقریب ترس میشوند

مدار RC میان گذر:

$$V_{AC} = 2V$$

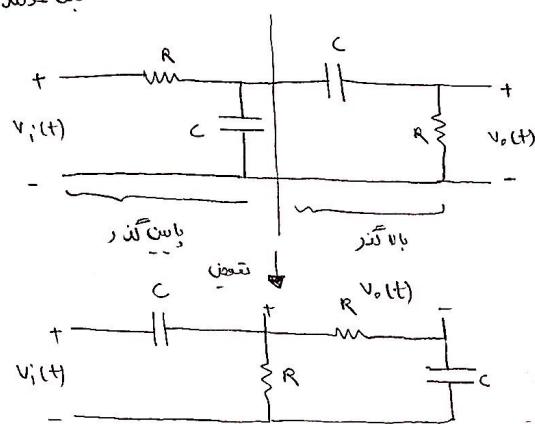
$$R_1 = R_2 = 10k \rightarrow V_{max} = 1.49V \rightarrow 1.49 \times 0.1V = 1.18V$$

$$f_L = 1000,44\omega$$

$$f_H = 100K$$

$$BW = 1041K$$

پیشنهاد شده: ۳



با توجه به مطالعات، تبدیل به مختلط بالا لذم ستوود زیرا خواستهای پاسنی عبور داده نمیشوند و خواستهای بالا روز سرمهز سهل نزدیک میشوند

پیشنهاد شده: ۴: باعمازی کردن مقادیر $1041K$ با خازن، تغییرات دینوردار میتواند میتواند سه سهل

تغییر میکند.

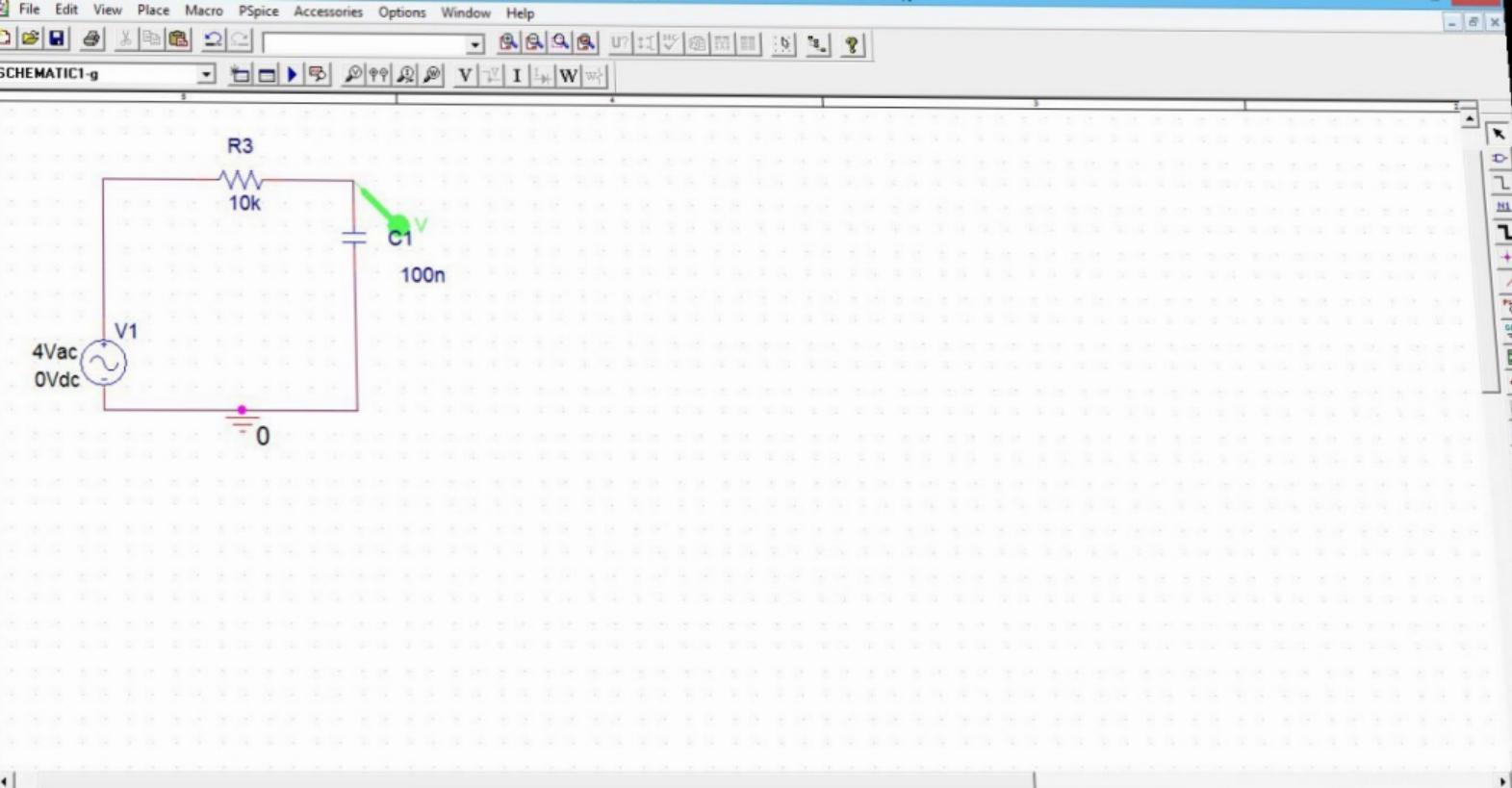
$$f_1 = 40Hz \rightarrow T = \frac{1}{f} = 0.025 \rightarrow \text{منتشر نمایی}$$

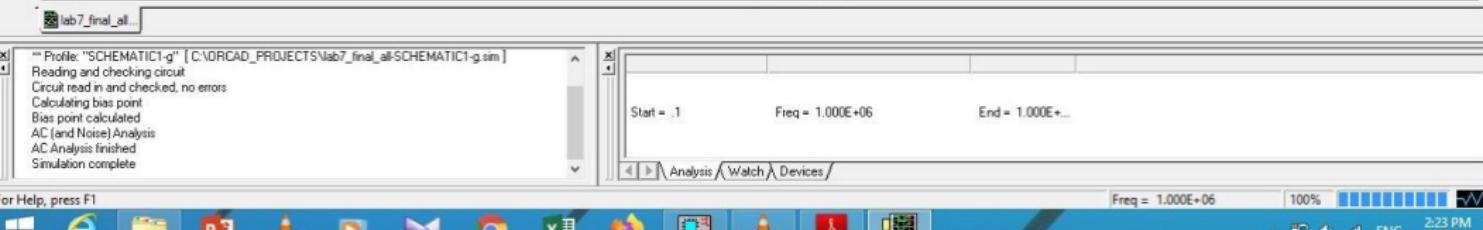
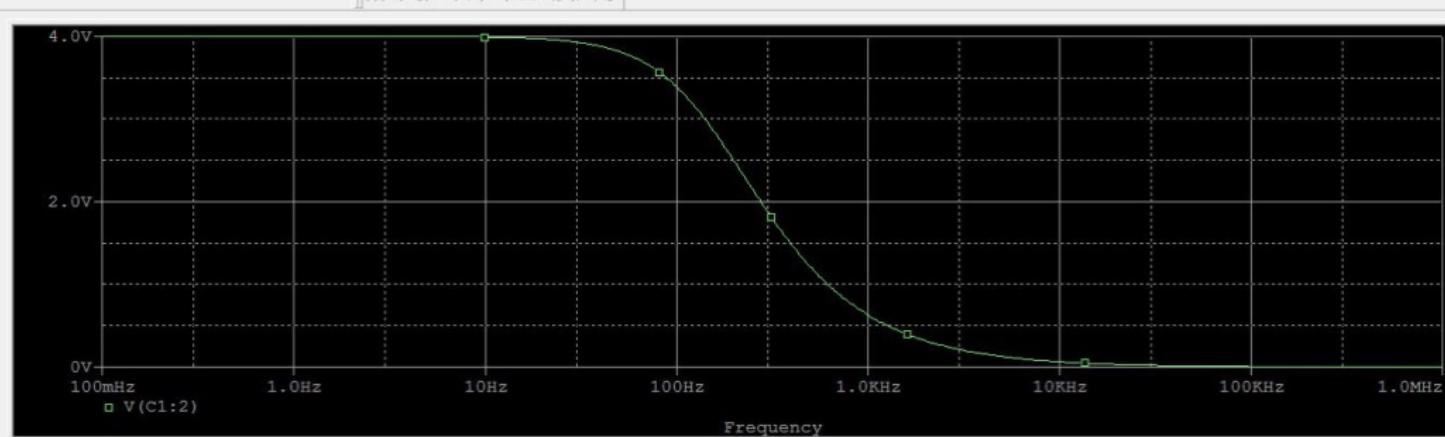
پیشنهاد شده: ۵

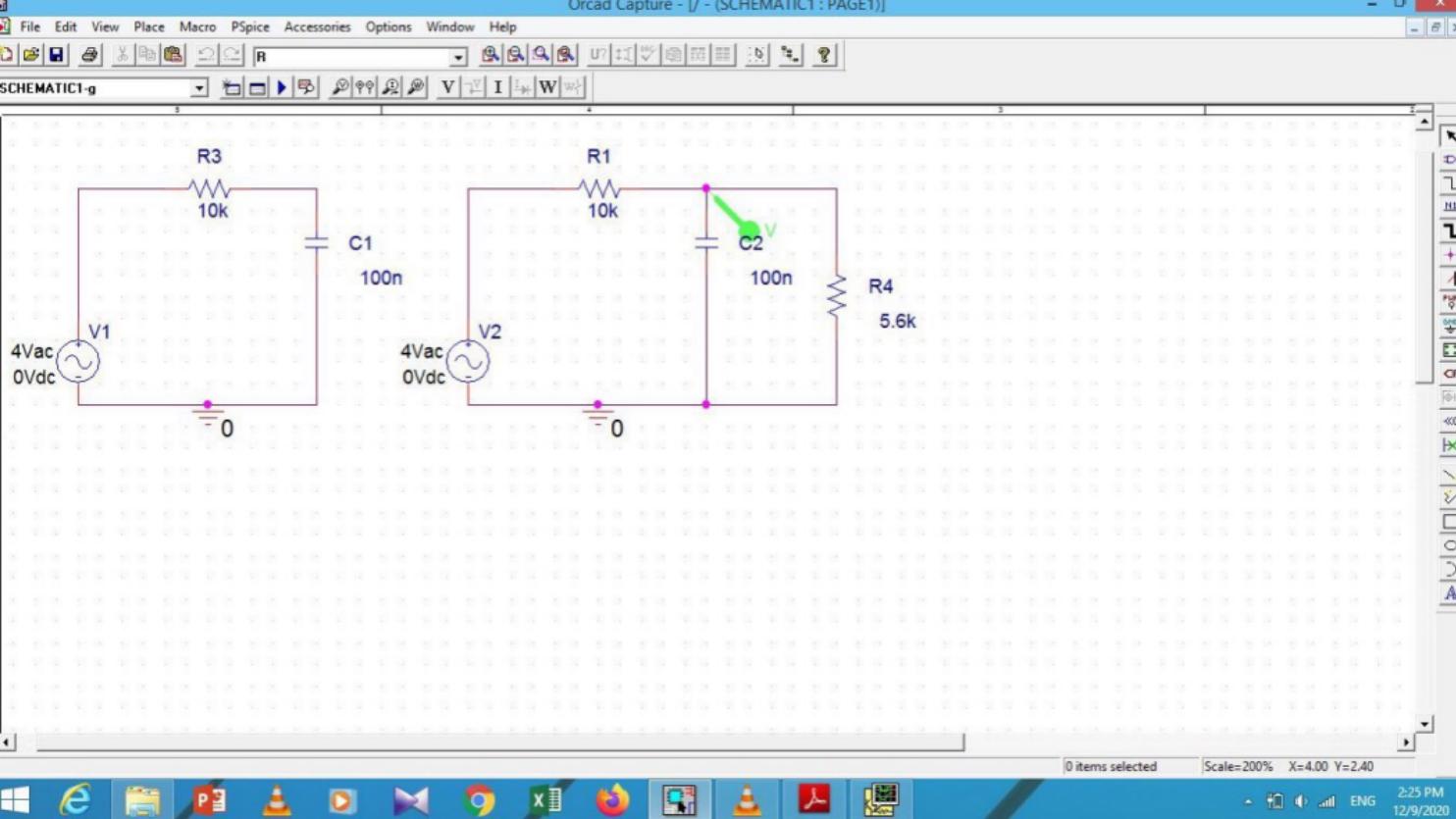
$$f_2 = 100Hz \rightarrow T = 0.01 \rightarrow \text{منتشر نمایی و ناشی از انگرال گیرنده}$$

$$f_3 = 10KHz \rightarrow T = 0.0001 \rightarrow \text{انگرال گیرنده}$$

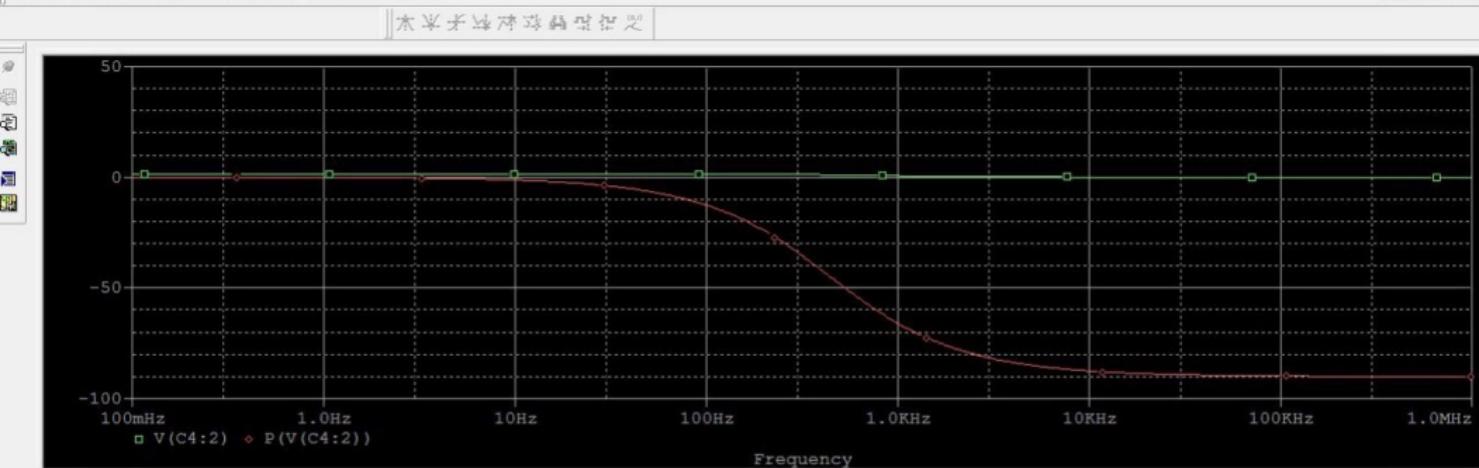
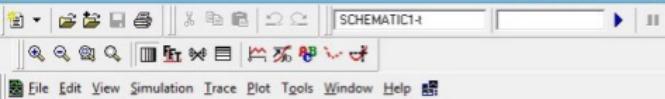
(2)







Scanned with CamScanner



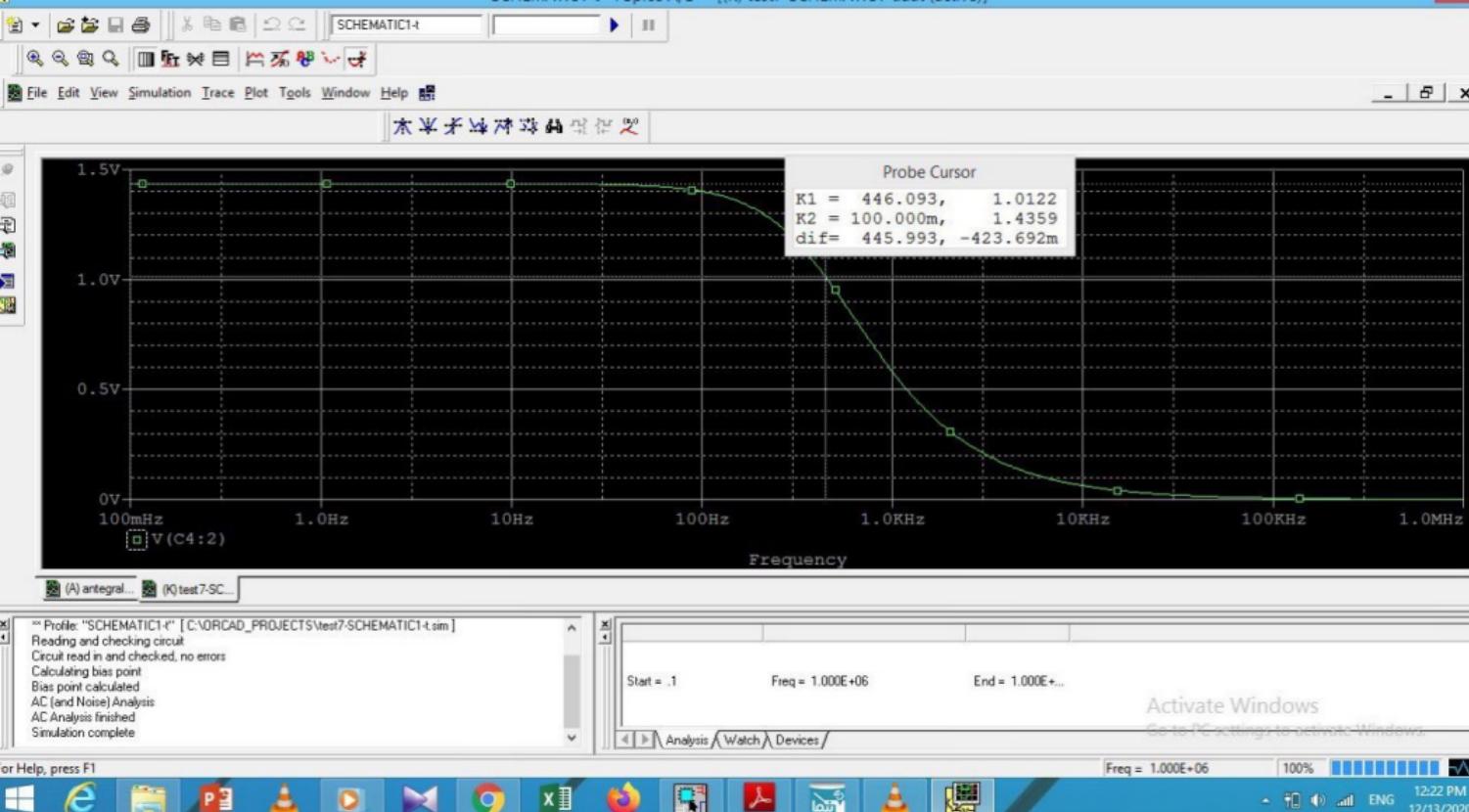
Profile: "SCHEMATIC1-t" [C:\ORCAD_PROJECTS\test7-SCHEMATIC1-t.sim]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete

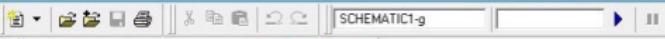
Start = .1 Freq = 1.000E+06 End = 1.000E+06

Analysis Watch Devices

Freq = 1.000E+06 100% 12:27 PM 12/13/2020

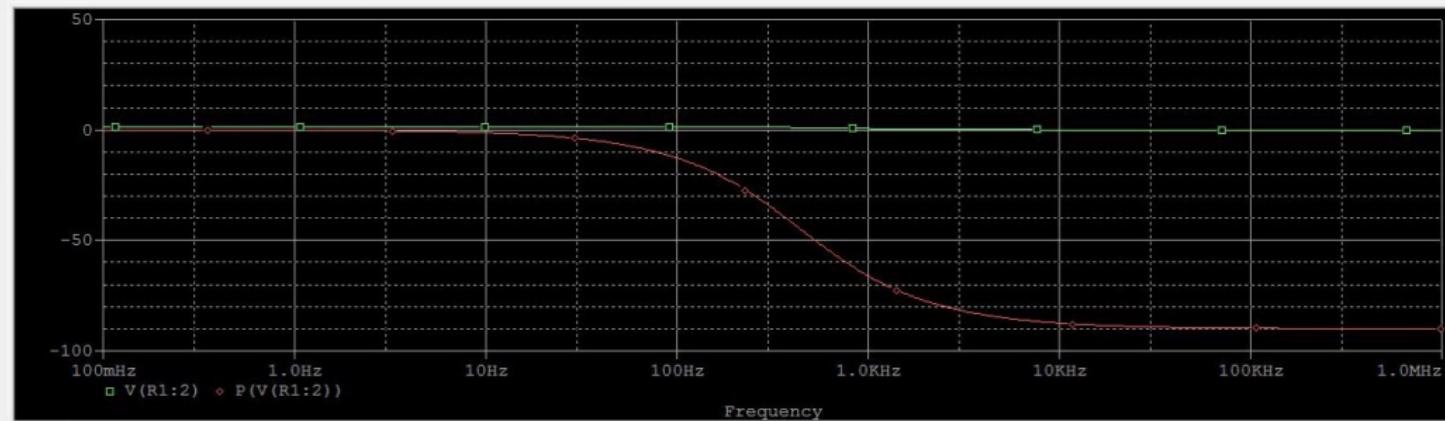
Activate Windows
Go to PC settings to activate Windows.





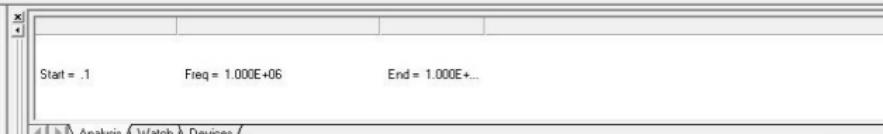
File Edit View Simulation Trace Plot Tools Window Help

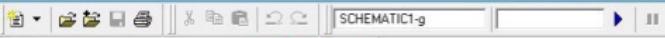
中華人民共和國



lab7_final_all

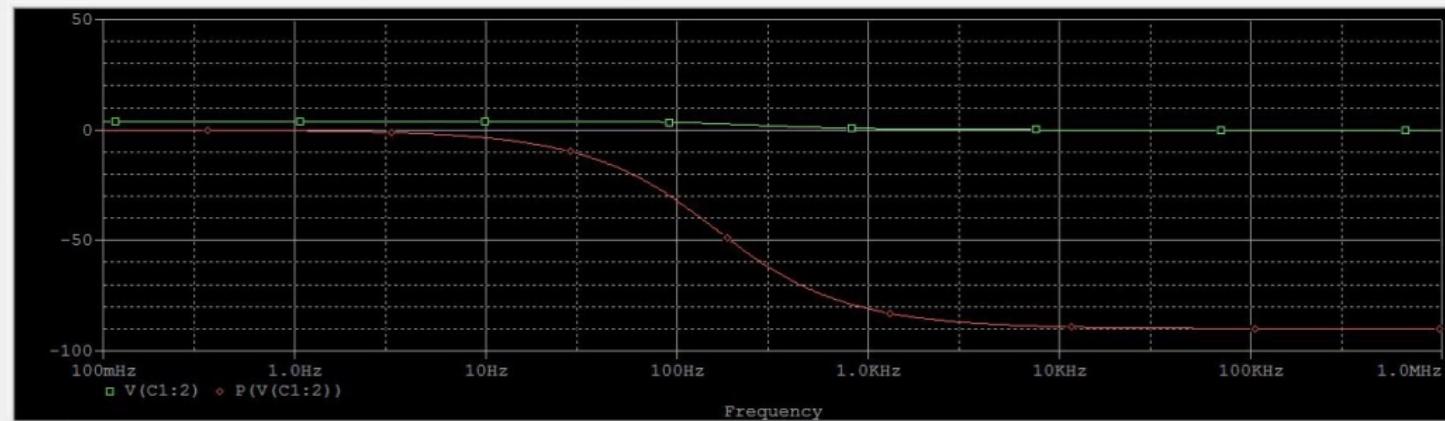
```
Profile: "SCHEMATIC1-g" [ C:\ORCAD_PROJECTS\lab7_final_all-SCHEMATIC1-g.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```





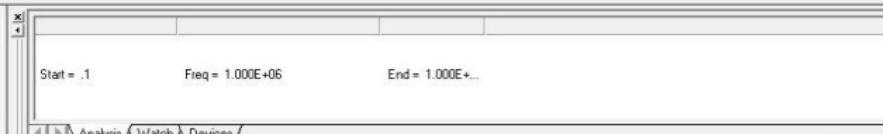
File Edit View Simulation Trace Plot Tools Window Help

中華人民共和國



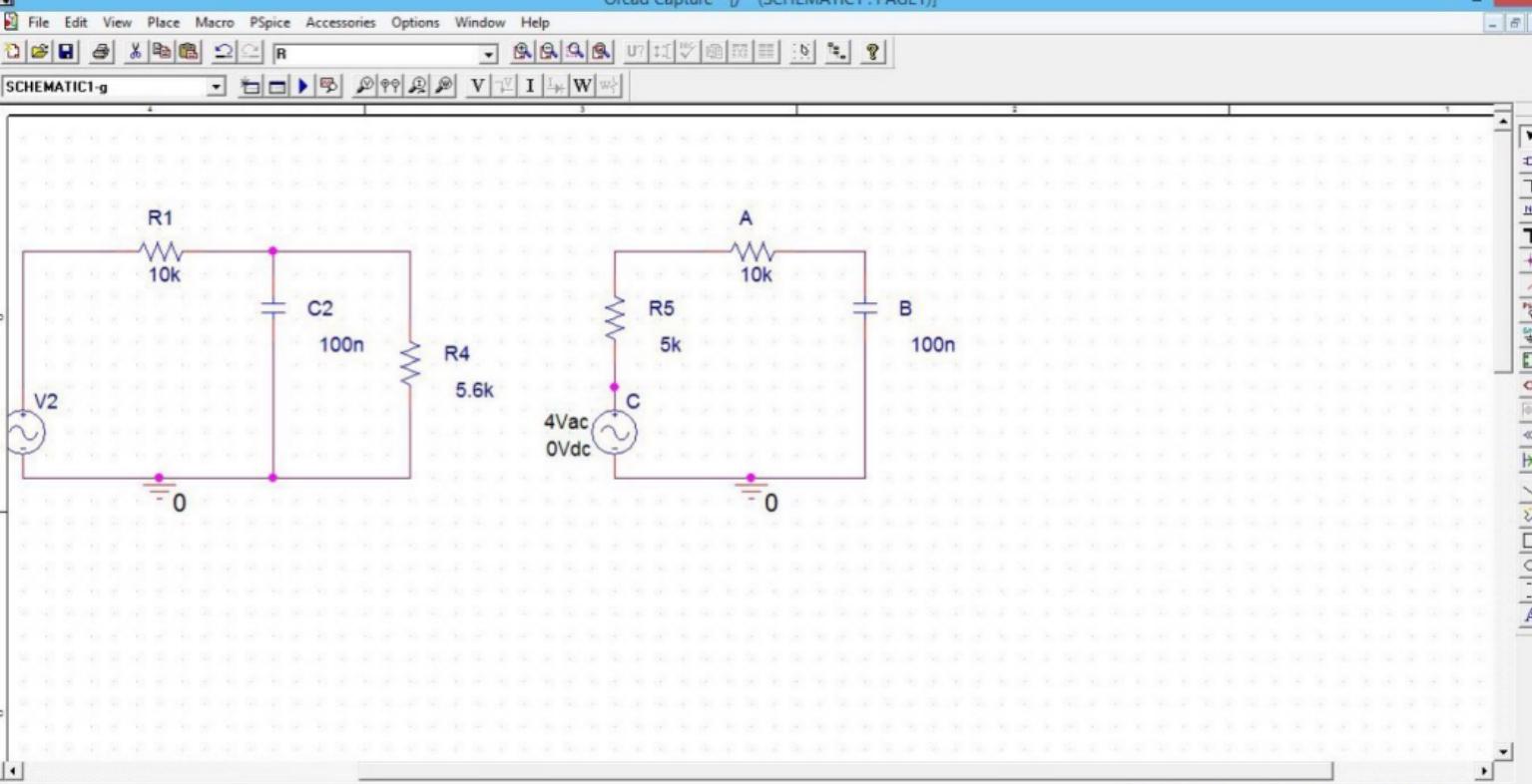
lab7_final_all

```
Profile: "SCHEMATIC1-g" [C:\ORCAD_PROJECTS\lab7_final_all-SCHEMATIC1-g.sim]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```

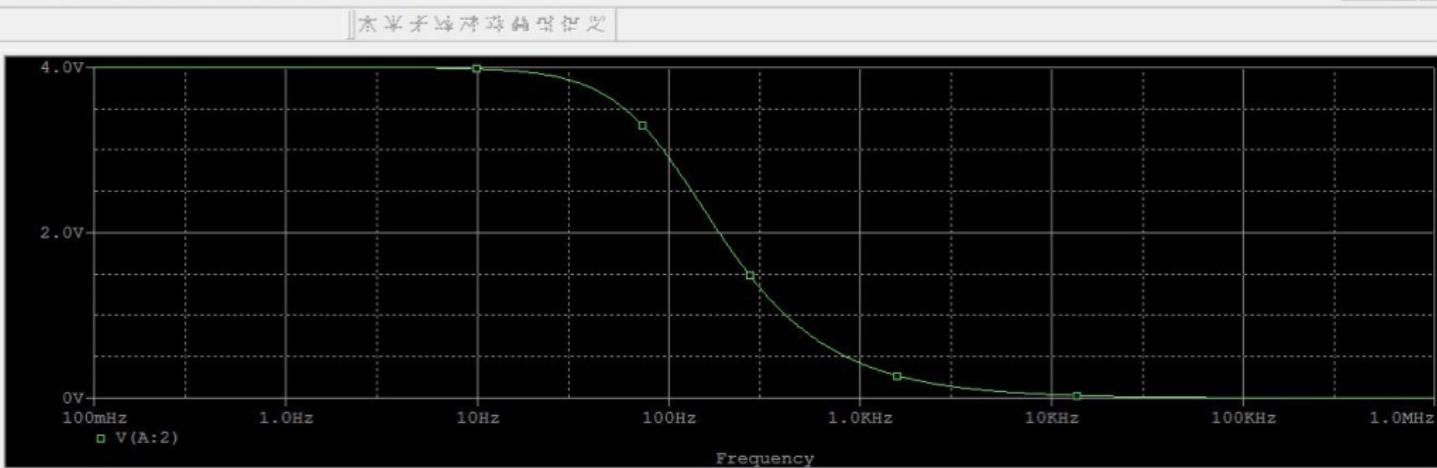


Freq = 1.000E+06 100% 2:29 PM
12/9/2020



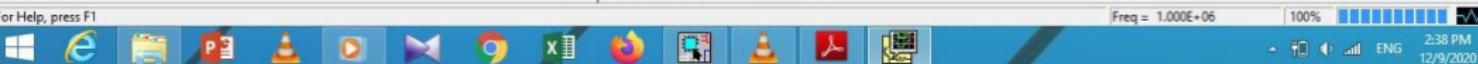


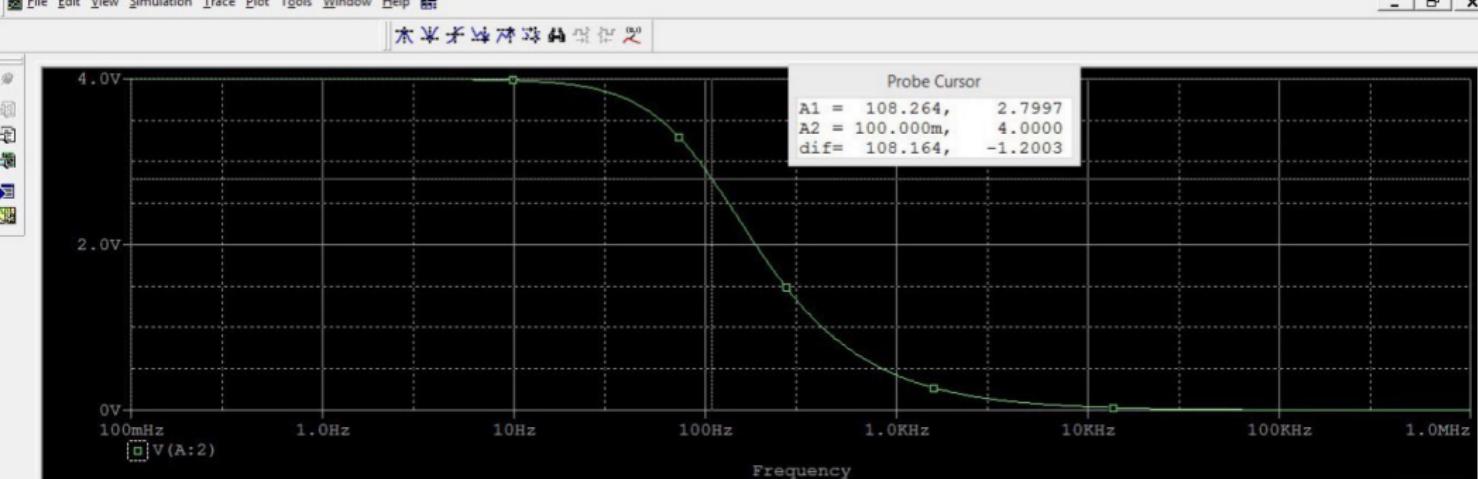
Scanned with CamScanner



Profile: "SCHEMATIC1-g" [C:\ORCAD_PROJECTS\lab7_final_all-SCHEMATIC1-g.sim]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis:
AC Analysis finished
Simulation complete

Start = .1 Freq = 1.000E+06 End = 1.000E+06





lab7_final_all

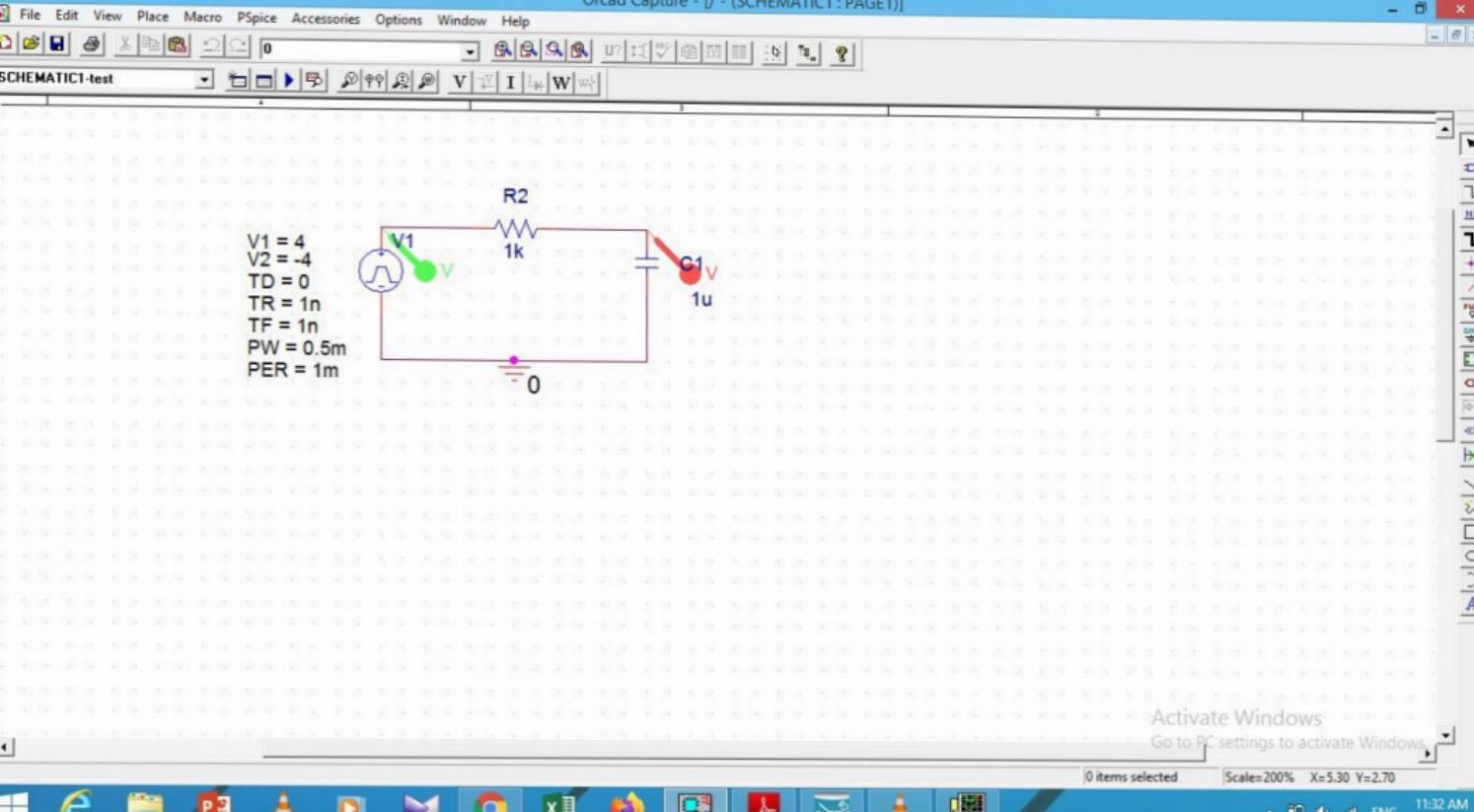
```
Profile: "SCHEMATIC1-g" [ C:\ORCAD_PROJECTS\lab7_final_all\SCHEMATIC1-g.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```

Start = .1 Freq = 1.000E+06 End = 1.000E+...

Analysis Watch Devices

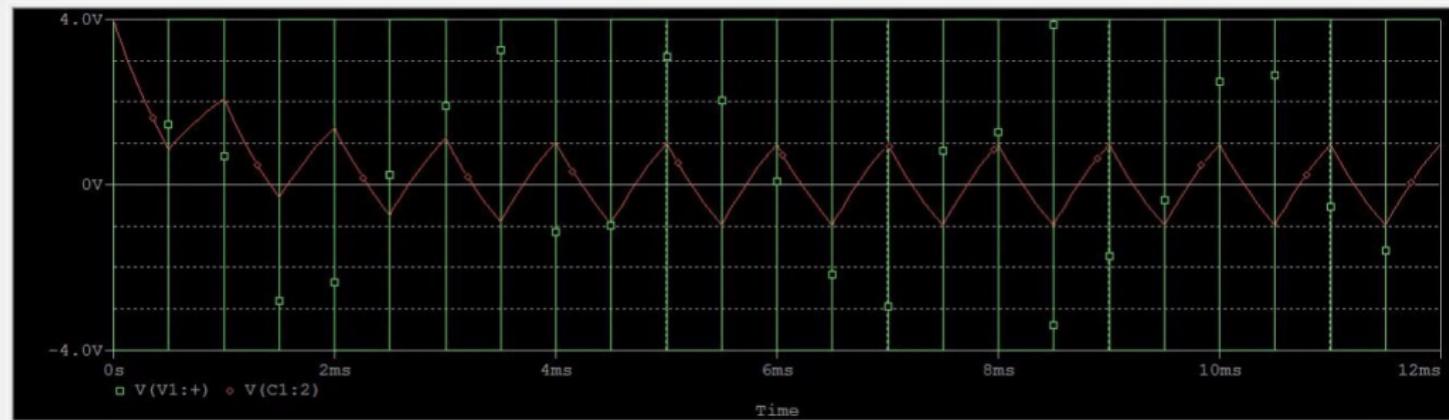


Freq = 1.000E+06 100% 12:39 PM ENG 12/9/2020





本學期課業總成績評定



antegralgir_fi

Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point for Transient Analysis
Bias point calculated
Transient Analysis
Transient Analysis finished
Simulation complete

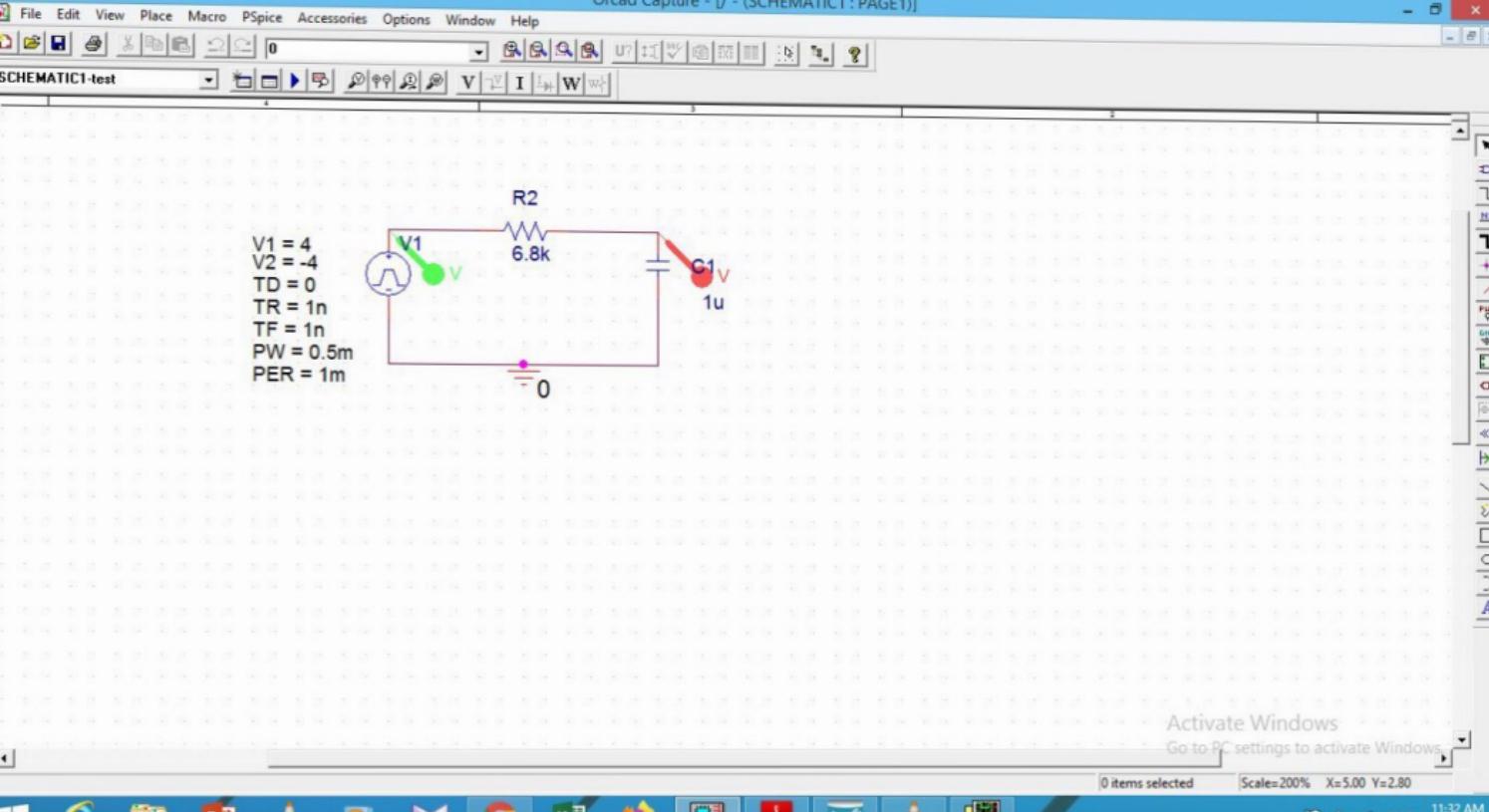
Time step = 164.5E-06 Time = .012

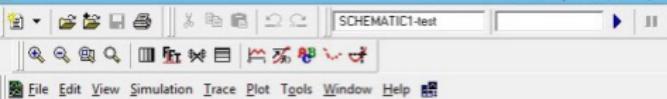
End = .012

Activate Windows
Go to PC settings to activate Windows.

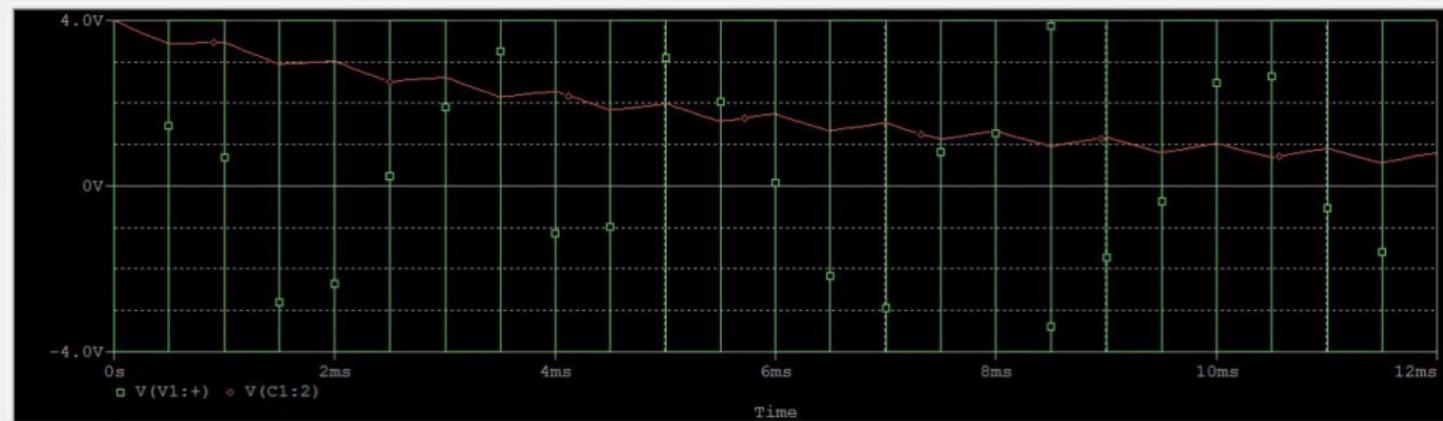
or Help, press F1







本學期總評等級是



antegralgir_f...

```
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point for Transient Analysis
Bias point calculated
Transient Analysis
Transient Analysis finished
Simulation complete
```

Time step = 164.5E-06 Time = .012

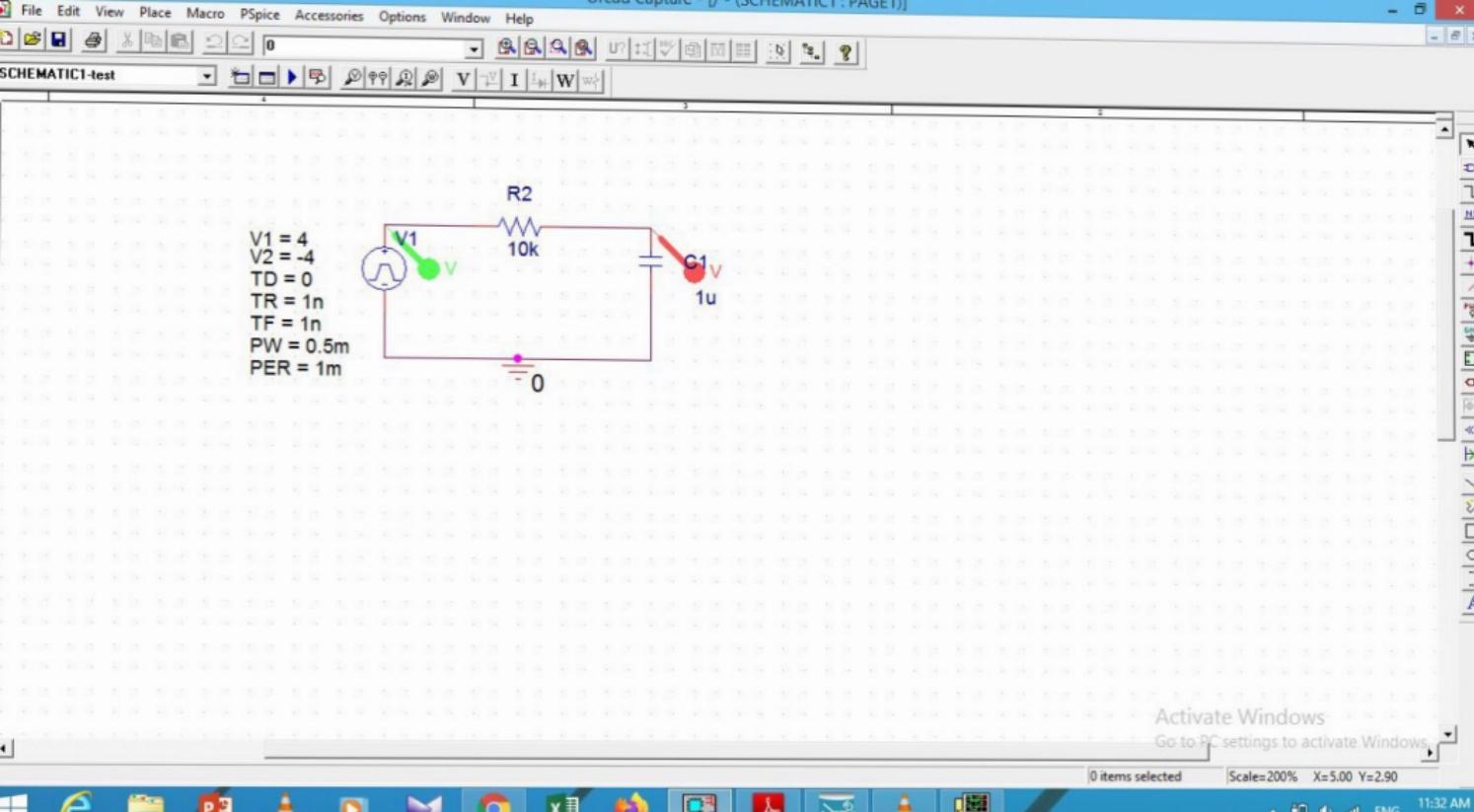
End = .012

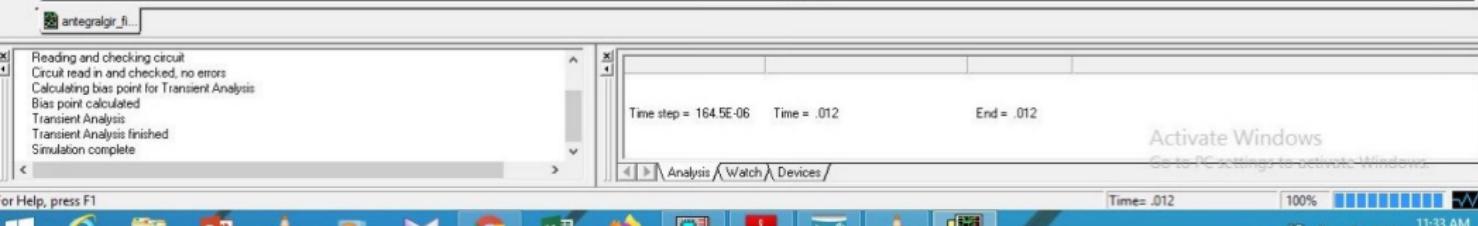
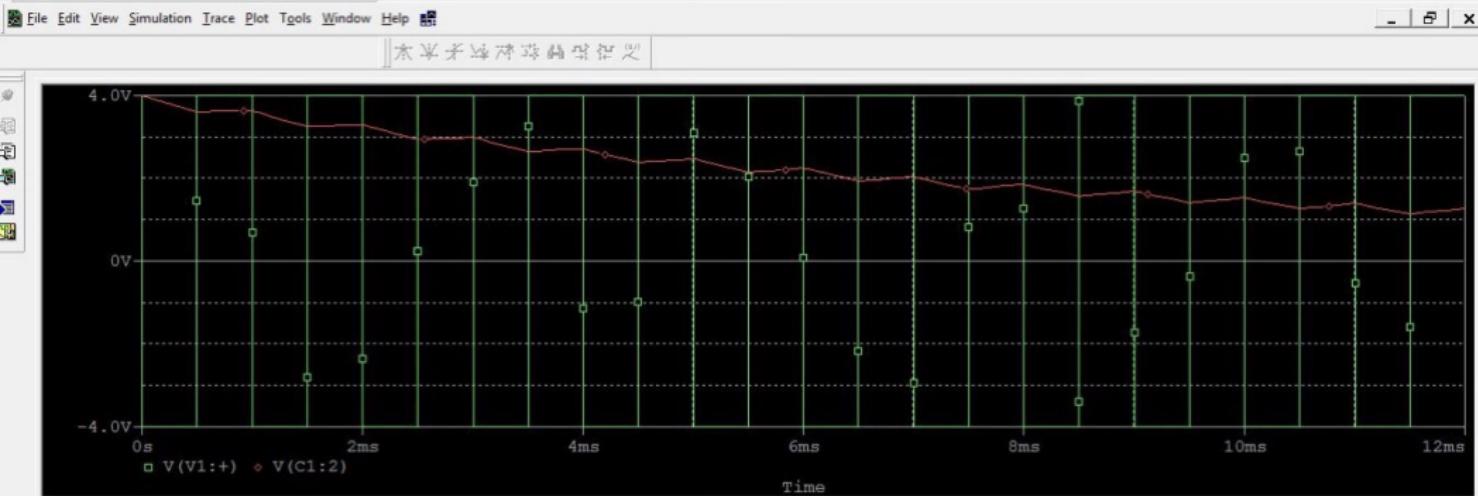
Activate Windows
Go to PC settings to activate Windows.

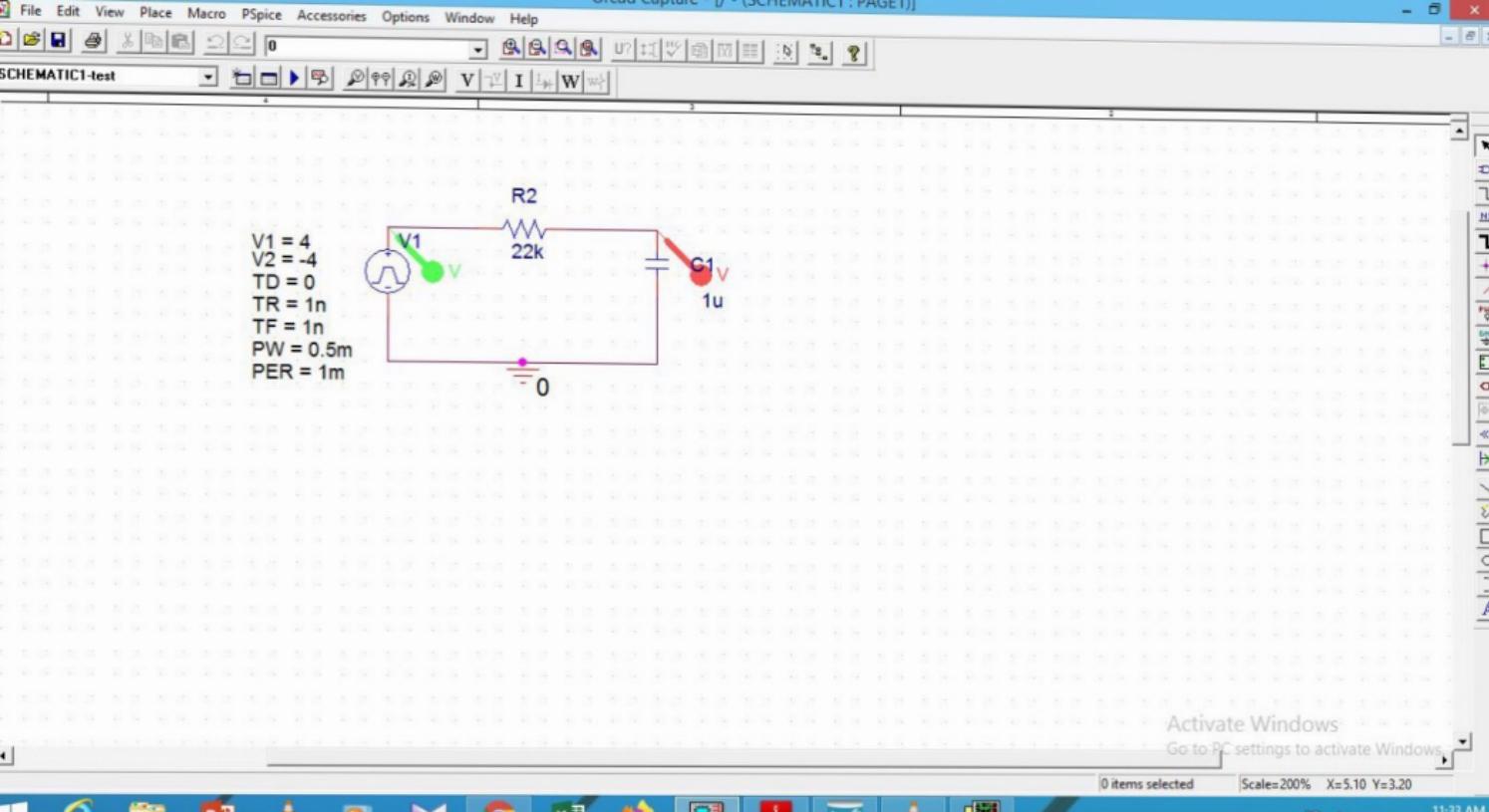
For Help, press F1

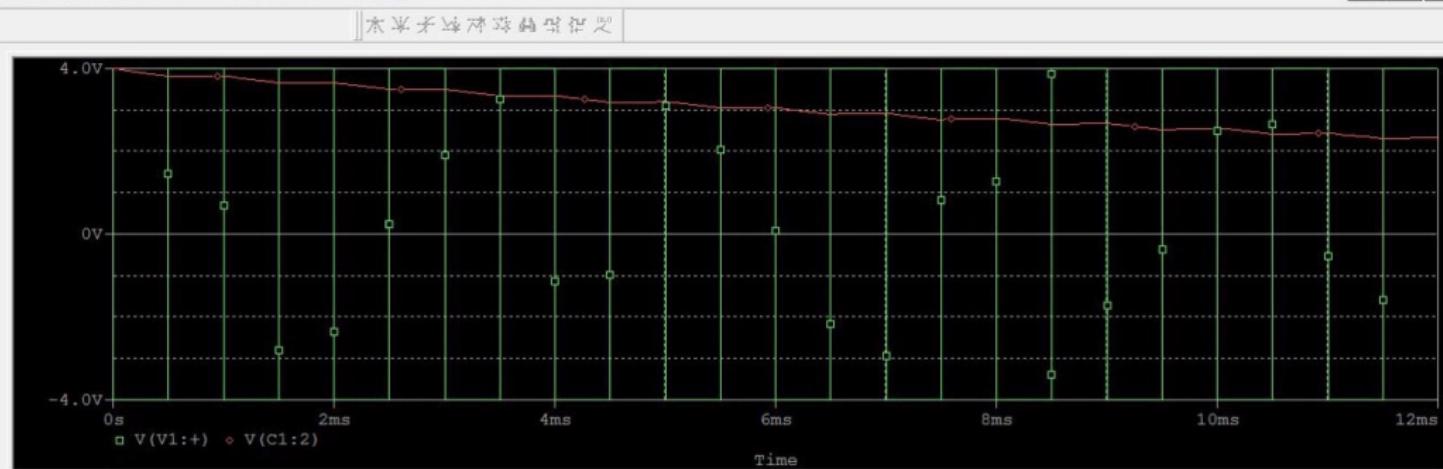
Time=.012 100% ENG 11:32 AM 12/13/2020











antegralgir_f...

Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point for Transient Analysis
Bias point calculated
Transient Analysis
Transient Analysis finished
Simulation complete

Time step = 164.5E-06 Time = .012

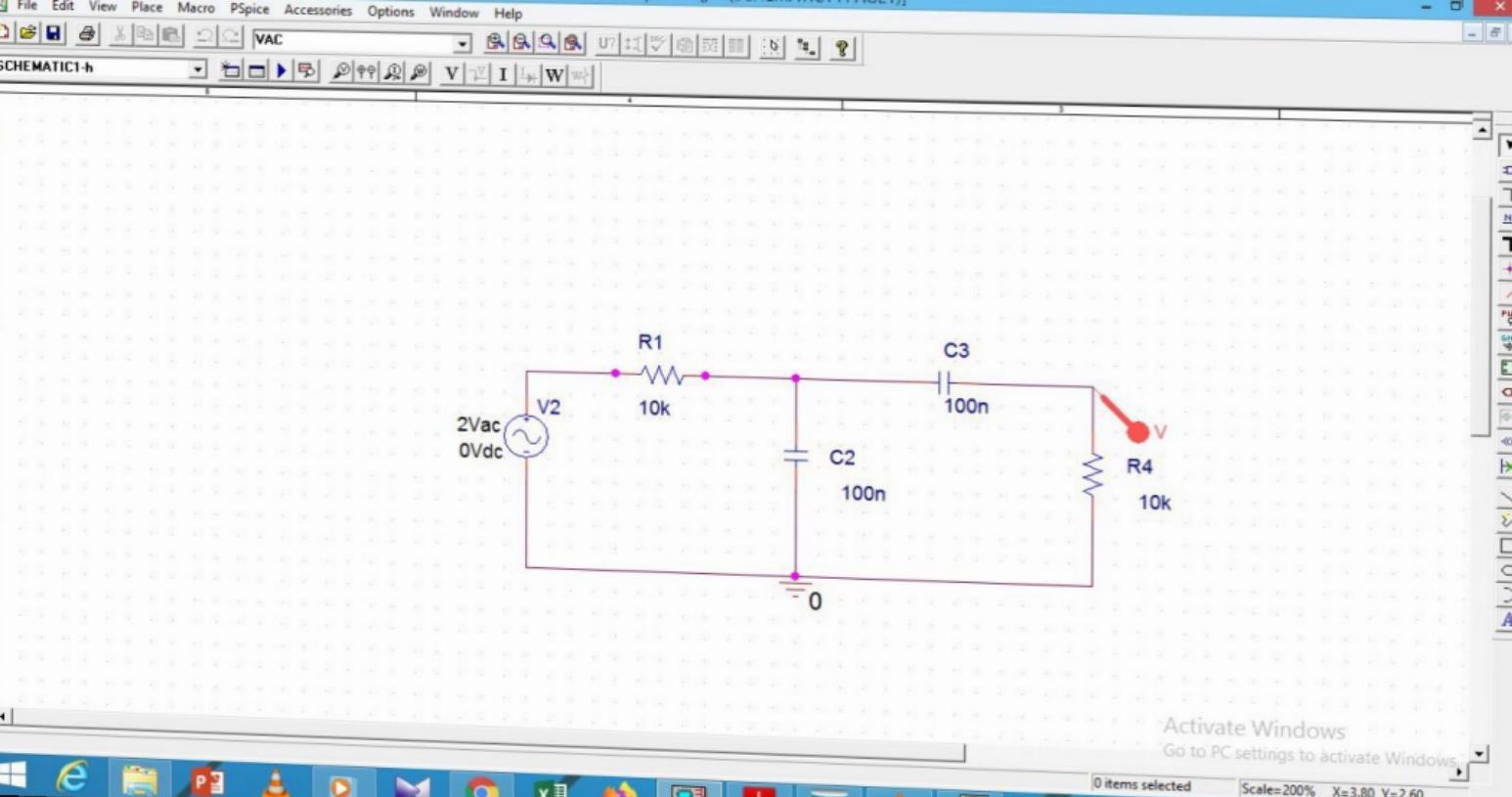
End = .012

Activate Windows
Go to PC settings to activate Windows

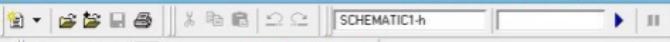
or Help, press F1

Time=.012 100% 11:33 AM 12/13/2020

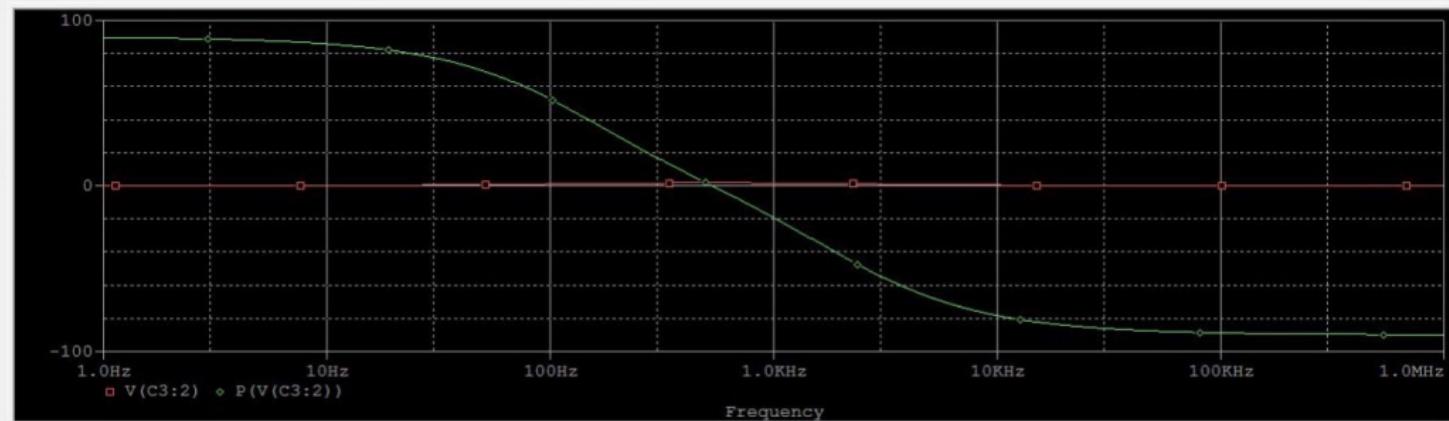




Scanned with CamScanner

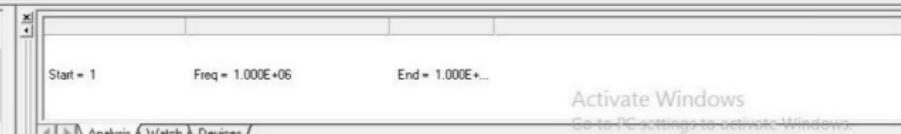


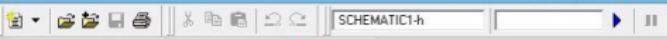
本學期第三次實驗報告



(A) integral... (G) lab7_final

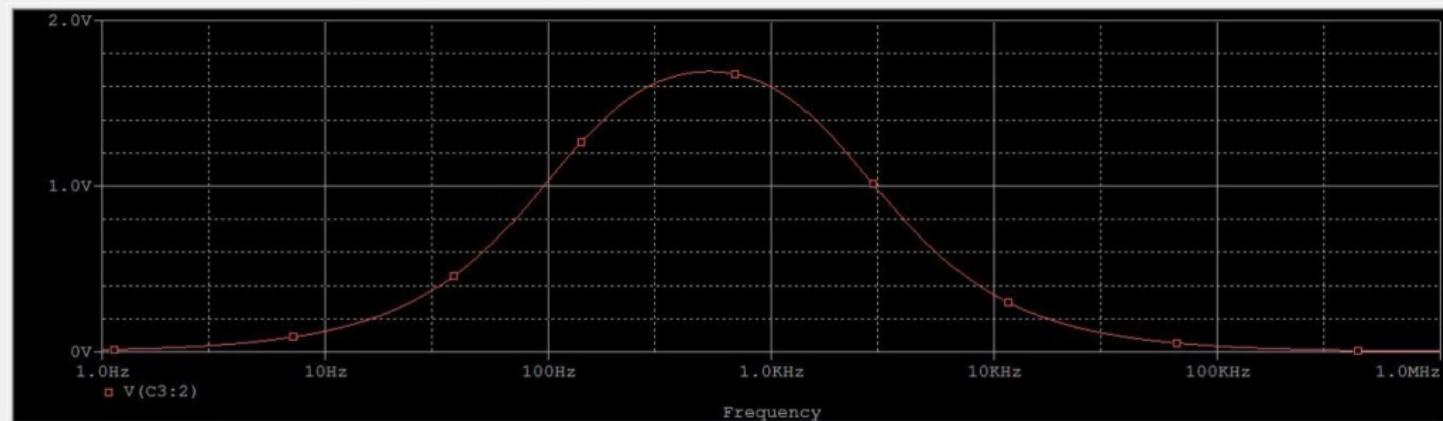
```
'' Profile: "SCHEMATIC1-h" [ C:\ORCAD_PROJECTS\lab7_final_miangozar\SCHEMATIC1-h.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```





File Edit View Simulation Trace Plot Tools Window Help

本學者論文傳媒發行權



(A) integral... (H) lab7_final

```
** Profile: "SCHEMATIC1-h" [ C:\ORCAD_PROJECTS\lab7_final_miangozar\SCHEMATIC1-h.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```

Start = 1 Freq = 1.000E+06 End = 1.000E+...

Activate Windows
Go to PC settings to activate Windows

or Help, press F1

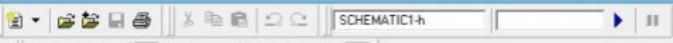


Freq = 1.000E+06 100% 11:50 AM

ENG

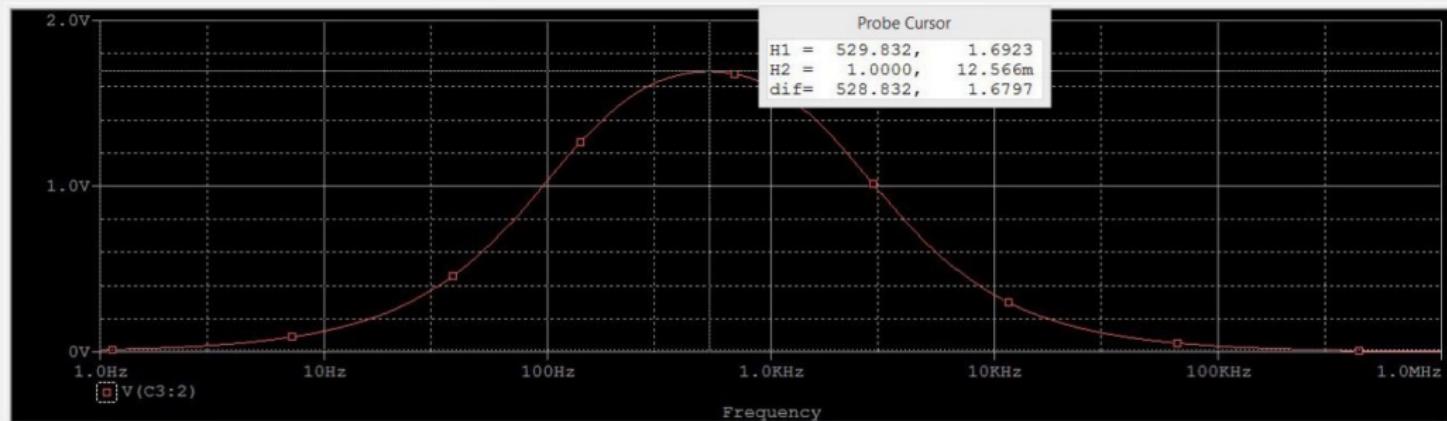
12/13/2020

Scanned with CamScanner



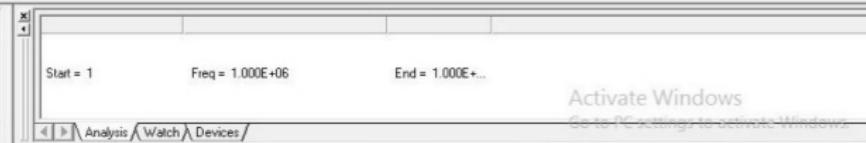
File Edit View Simulation Trace Plot Tools Window Help

菜单栏：文件、编辑、视图、仿真、踪迹、绘图、工具、窗口、帮助



(A) antegral... (H) lab7_final

```
** Profile: "SCHEMATIC1-h" [ C:\ORCAD_PROJECTS\lab7_final_miangozar\SCHEMATIC1-h.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```



Activate Windows
Go to PC settings to activate Windows.

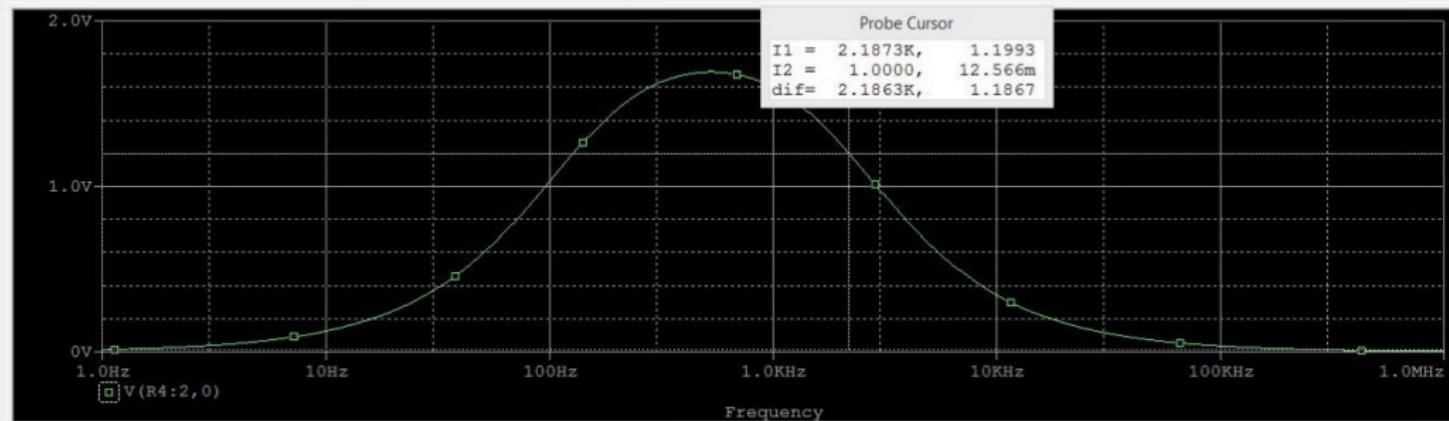
or Help, press F1





File Edit View Simulation Trace Plot Tools Window Help

木半步速速器



(A) integral... (l) tdfds-SCH

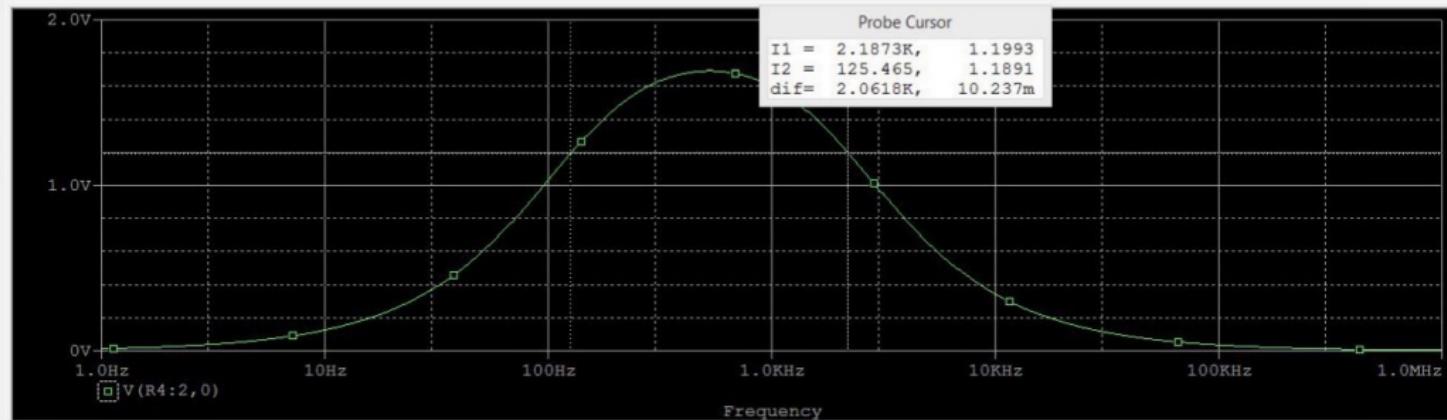
```
** Profile: "SCHEMATIC1-m" [ C:\ORCAD_PROJECTS\tdfds-SCHEMATIC1-m.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```





File Edit View Simulation Trace Plot Tools Window Help

木华才译本



(A) integral... (l) tdfds-SCH...

```
** Profile: "SCHEMATIC1-m" [ C:\ORCAD_PROJECTS\tdfds-SCHEMATIC1-m.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```

Start = 1 Freq = 1.000E+06 End = 1.000E+...

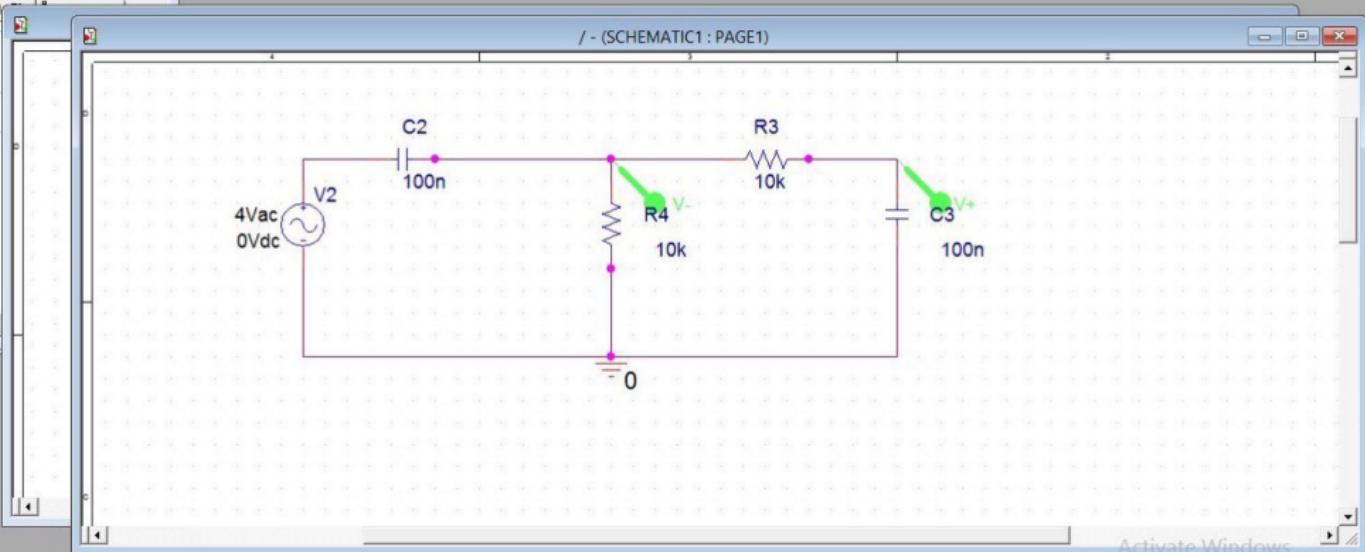
Analysis Watch Devices

Activate Windows
Go to PC settings to activate Windows.





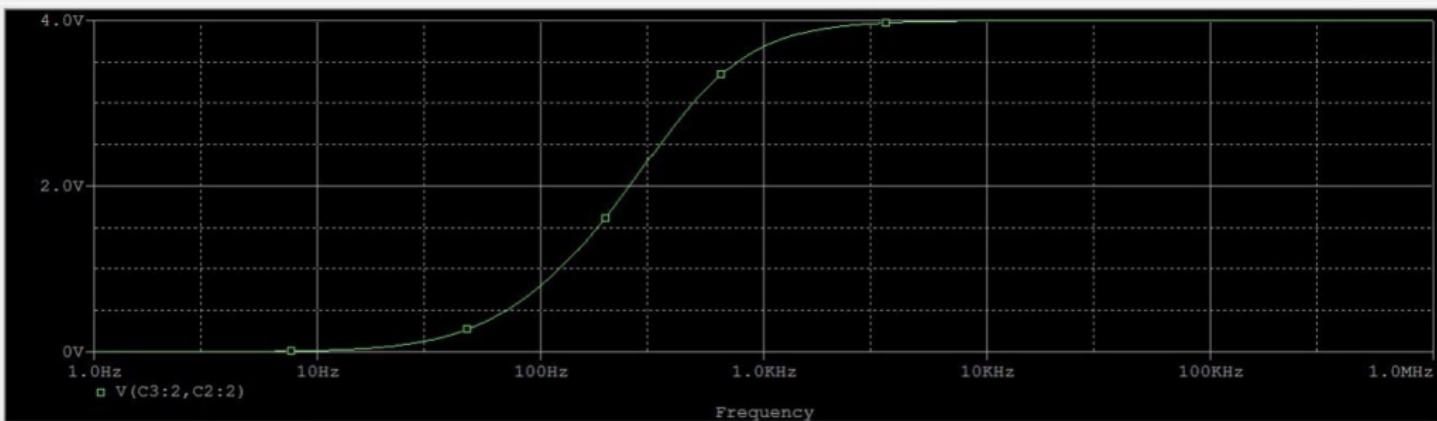
SCHEMATIC1-k

fk.opj
Analog or Mixed A/D

Activate Windows

0 items selected Scale=200% X=7.70 Y=0.50





(A) forgoda... (D) forgoda... (E) fk-SCH...

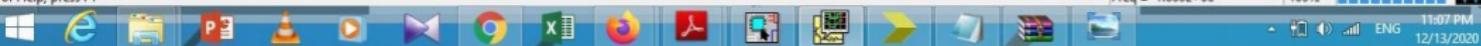
```
** Profile: "SCHEMATIC1-k" [C:\ORCAD_PROJECTS\fk-SCHMATIC1-k.sim]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```

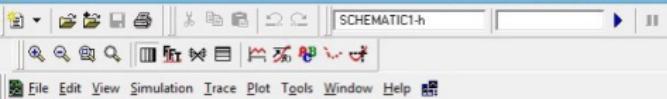
Start = 1 Freq = 1.000E+06

End = 1.000E+...

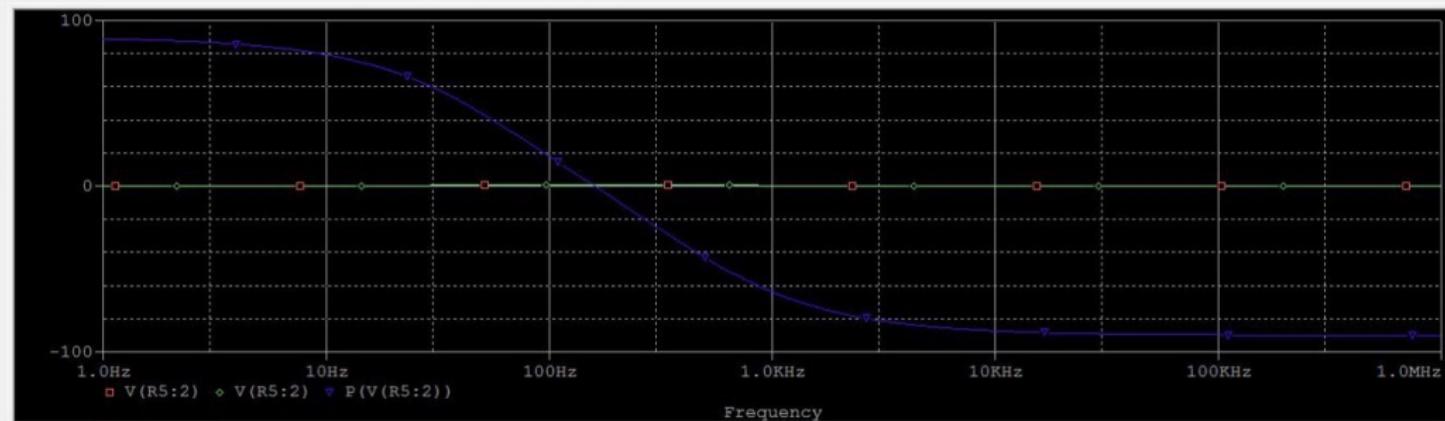
Activate Windows
Go to PC settings to activate Windows

or Help, press F1





中文字符显示正常



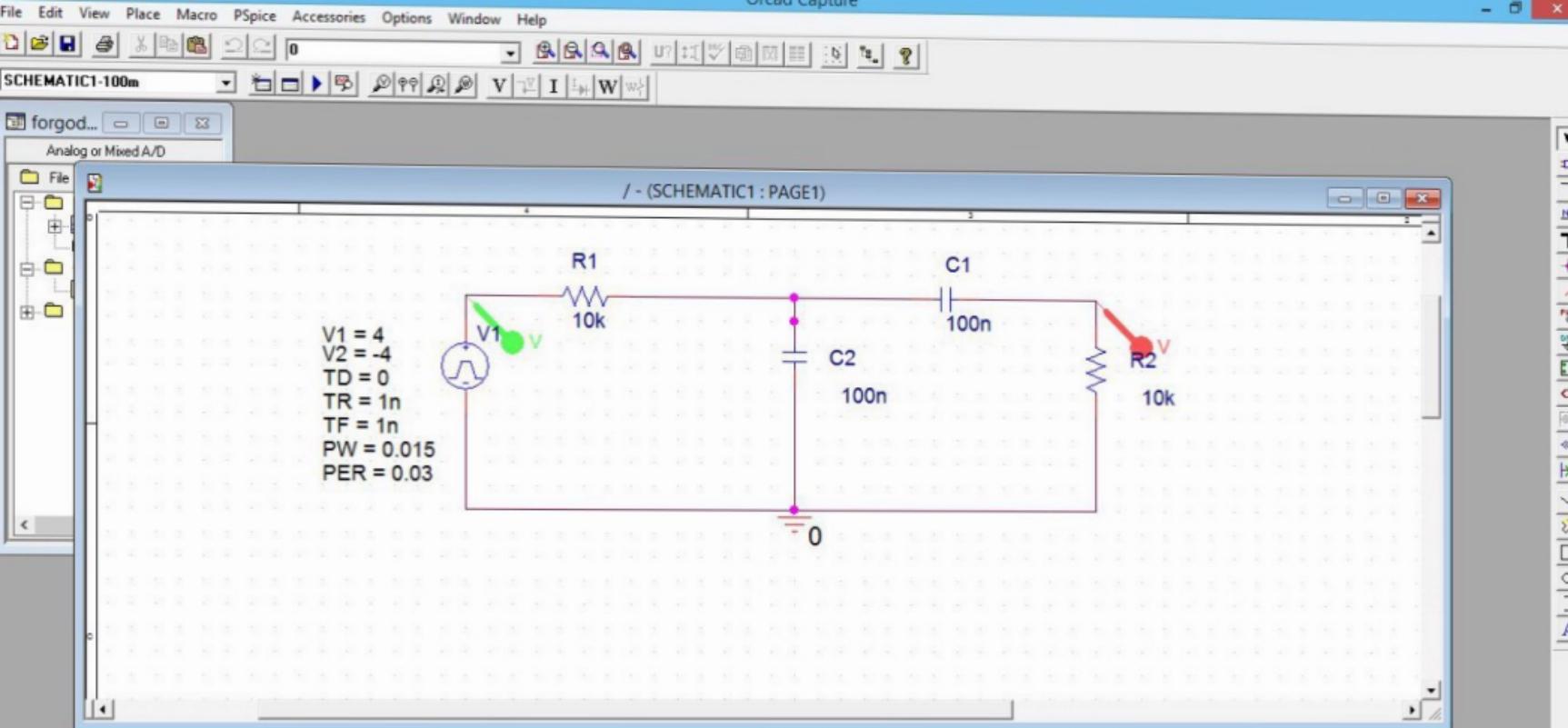
(K) test7-SC... (P) lab7_final

```
** Profile: "SCHEMATIC1-h" [ C:\ORCAD_PROJECTS\lab7_final_miangozar\SCHEMATIC1-h.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```



Activate Windows
Go to PC settings to activate Windows

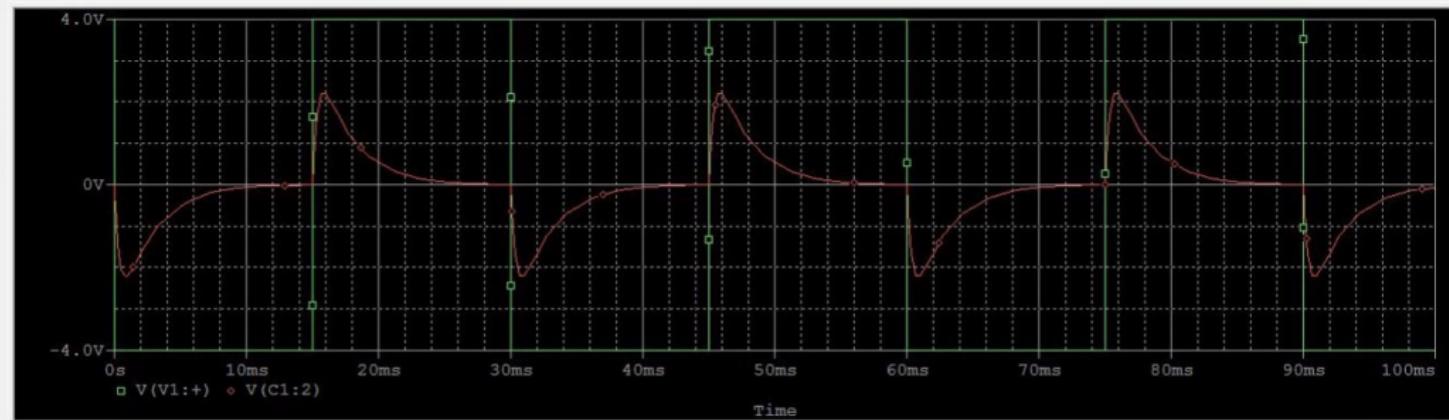




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本學期第三次定期評量



forgodsake...

```
Profile: "SCHEMATIC1-100m" [C:\ORCAD_PROJECTS\forgodsake-SCHEMATIC1-100m.sim]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point for Transient Analysis
Bias point calculated
Transient Analysis
Transient Analysis finished
Simulation complete
```

Time step = 1.747E-03 Time = .1 End = .1

Activate Windows
Go to PC settings to activate Windows.

For Help, press F1

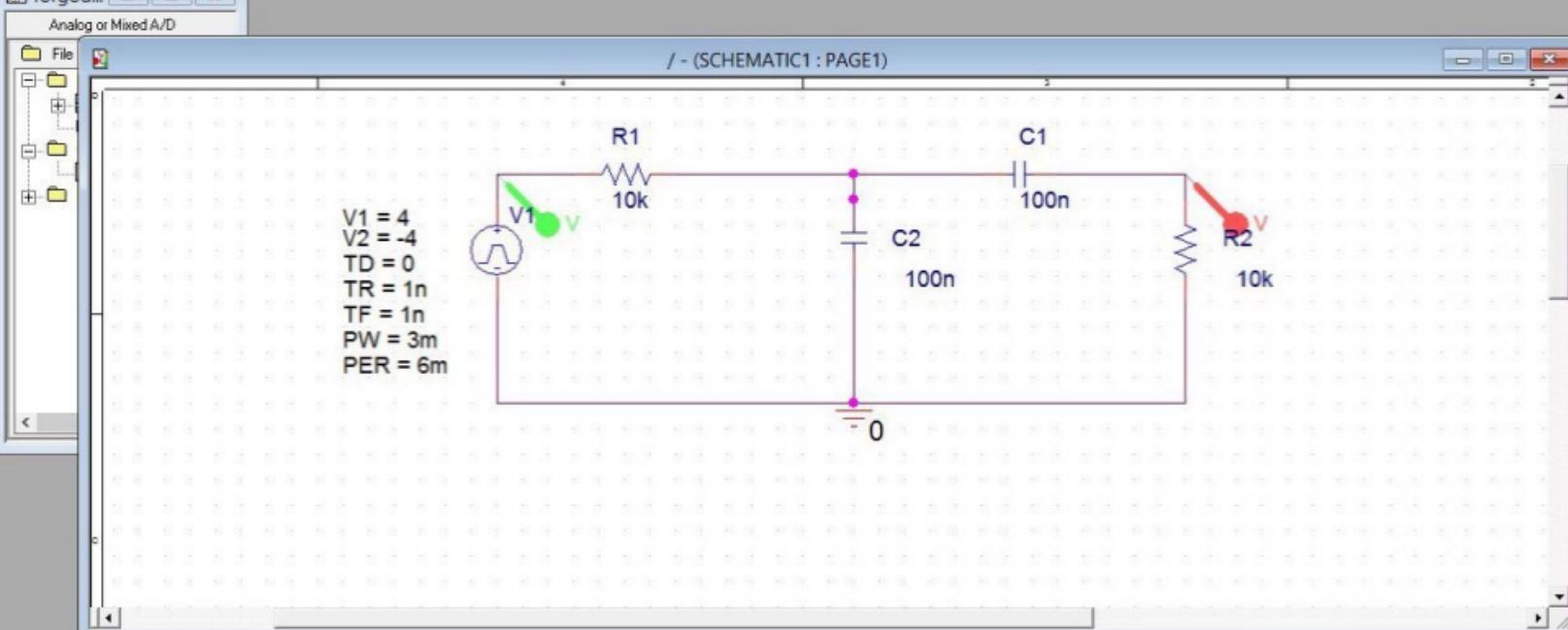




SCHEMATIC1-100m

V I W w

forged... Analog or Mixed A/D





forgodsake...

```
** Profile: "SCHMATIC1-100m" [ C:\ORCAD_PROJECTS\forgodsake-SCHMATIC1-100m.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point for Transient Analysis
Bias point calculated
Transient Analysis
Transient Analysis finished
Simulation complete
```

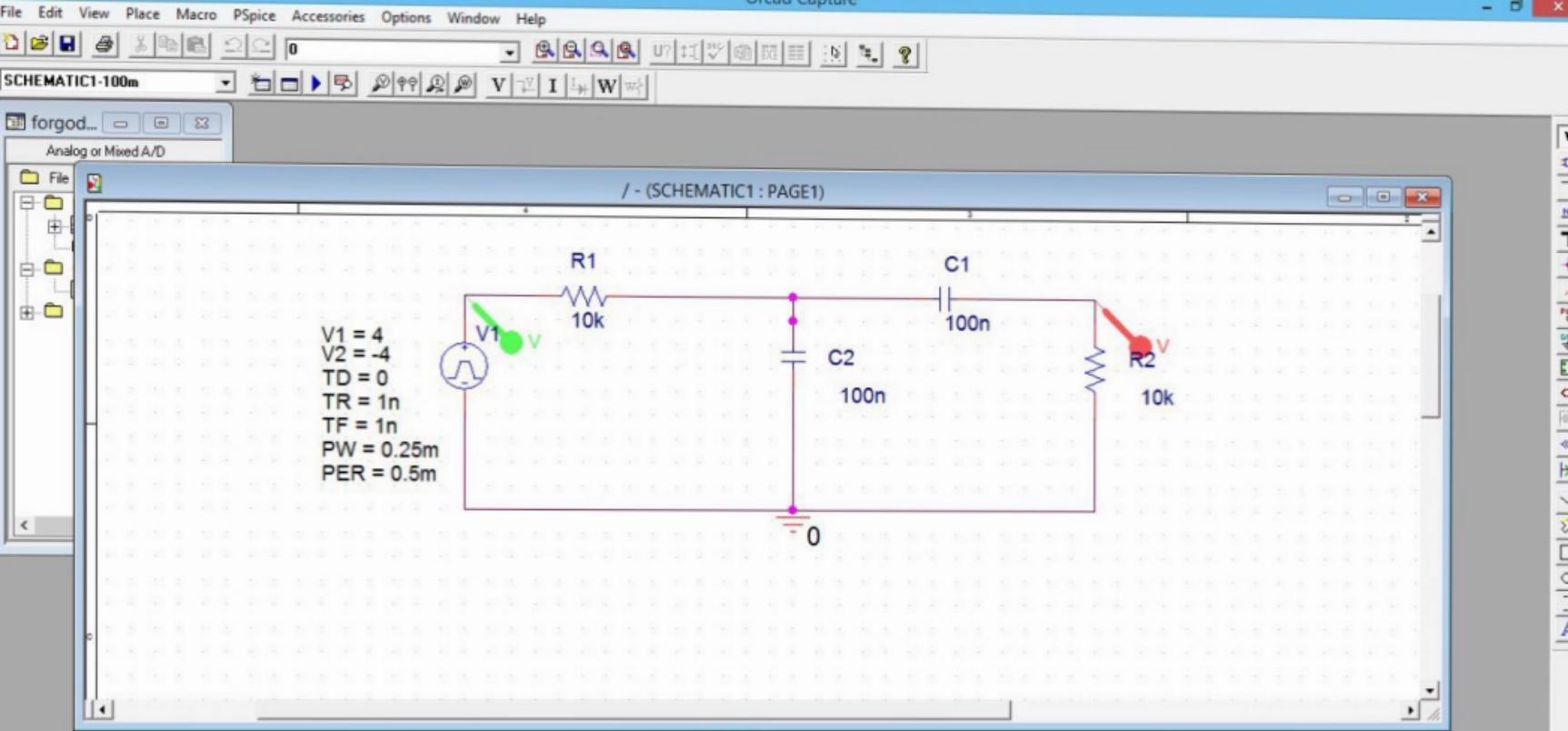
Time step = 59.08E-06 Time = .1 End = .1

Analysis Watch Devices

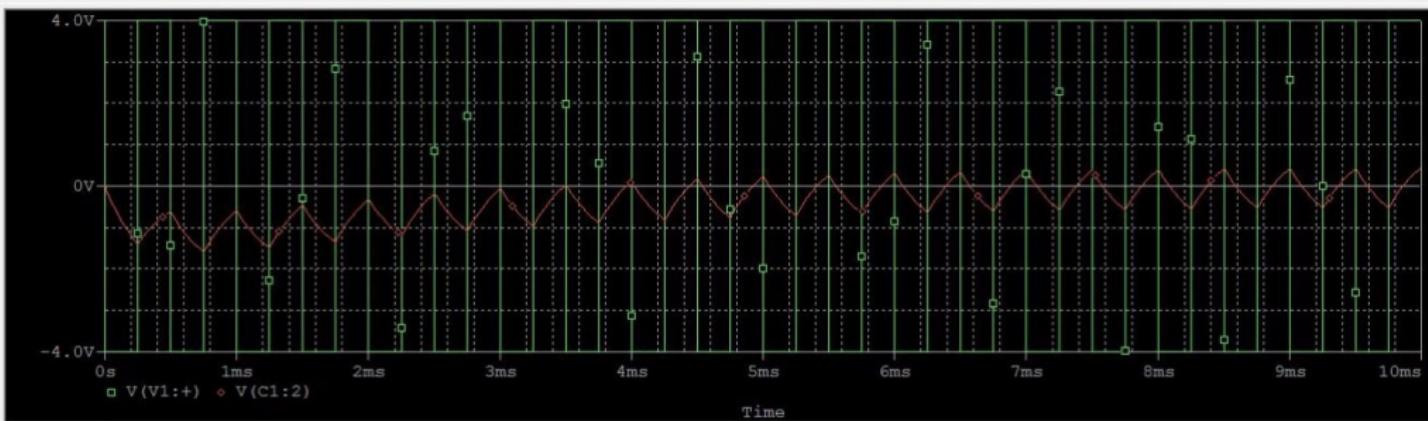
Activate Windows
Go to PC settings to activate Windows.

For Help, press F1

Time=.1 100% 1:57 PM 12/13/2020



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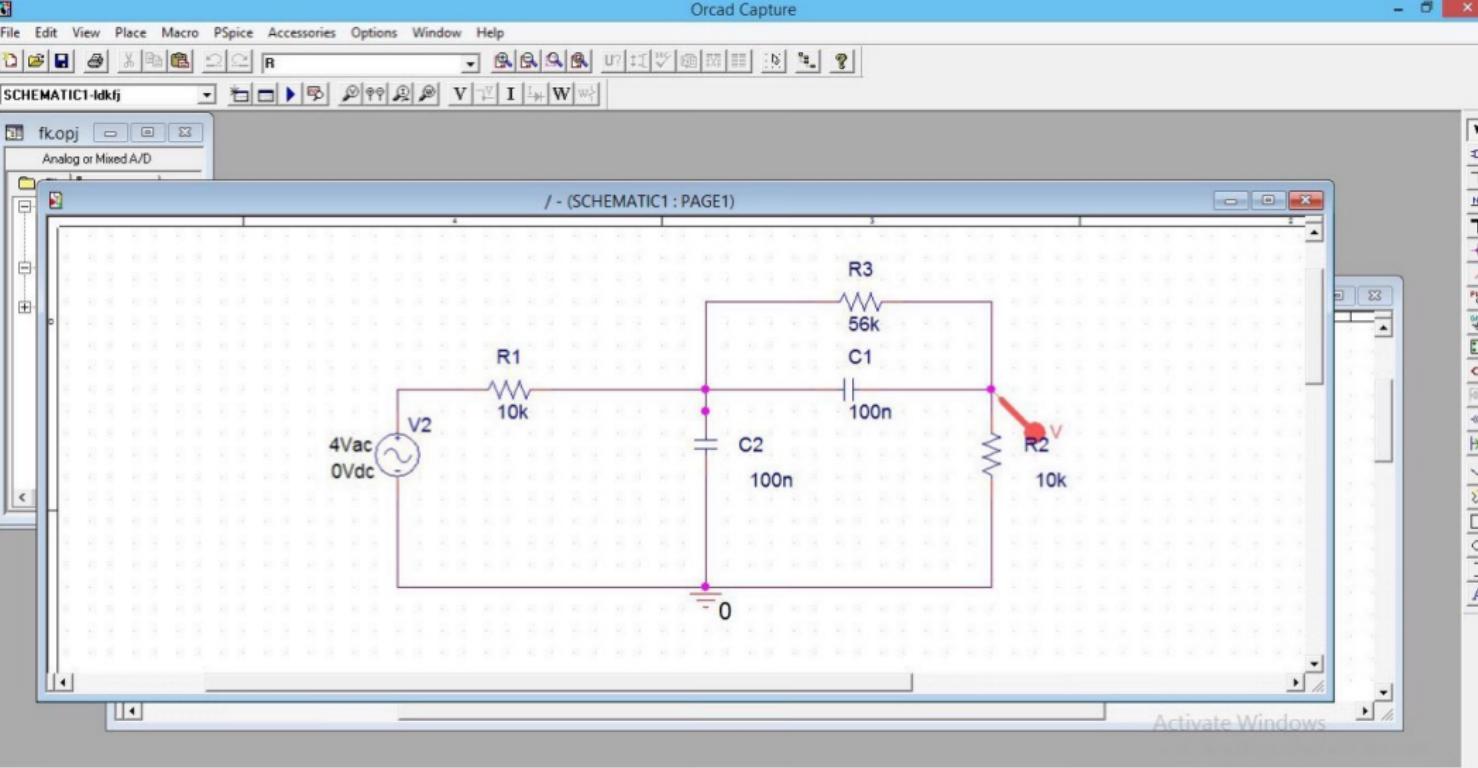


```
Profile: "SCHEMATIC1-100m" [C:\ORICAD_PROJECTS\forgodsake-SCHEMATIC1-100m.sim]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point for Transient Analysis
Bias point calculated
Transient Analysis
Transient Analysis finished
Simulation complete
```

Time step = 8.22E-06 Time = .01 End = .01

Activate Windows
Go to PC settings to activate Windows.

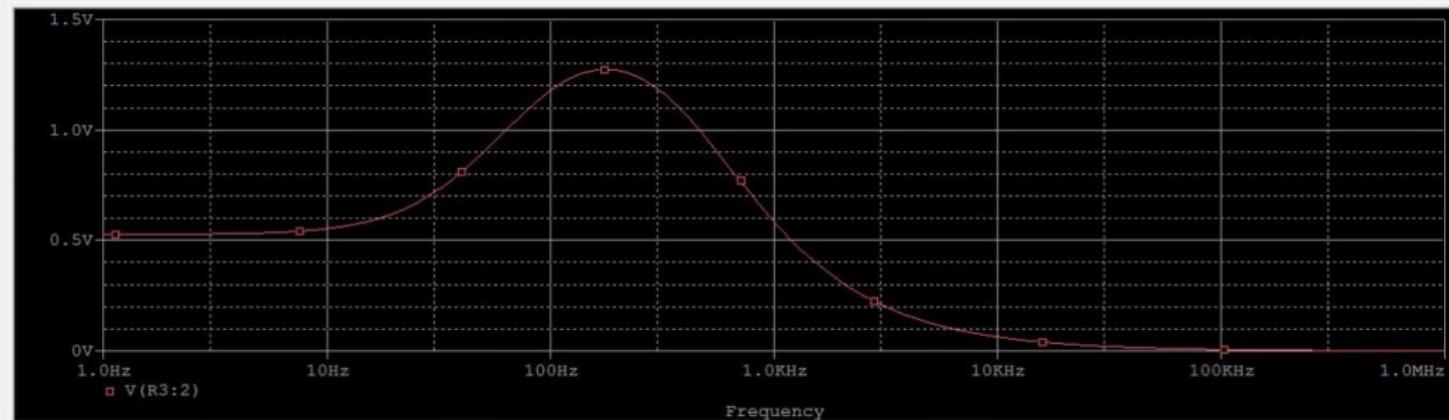




Scanned with CamScanner



本單元練習題目四之



(A) forgods... (B) fk-SCHE... (C) forgods...

```
** Profile: "SCHEMATIC1-ldkfj" [ C:\ORCAD_PROJECTS\forgodsake-SCHEMATIC1-ldkfj.sim ]
Reading and checking circuit
Circuit read in and checked, no errors
Calculating bias point
Bias point calculated
AC (and Noise) Analysis
AC Analysis finished
Simulation complete
```



Activate Windows
Go to PC settings to activate Windows.



Freq = 1.000E+06 100% 5:48 PM
12/13/2020