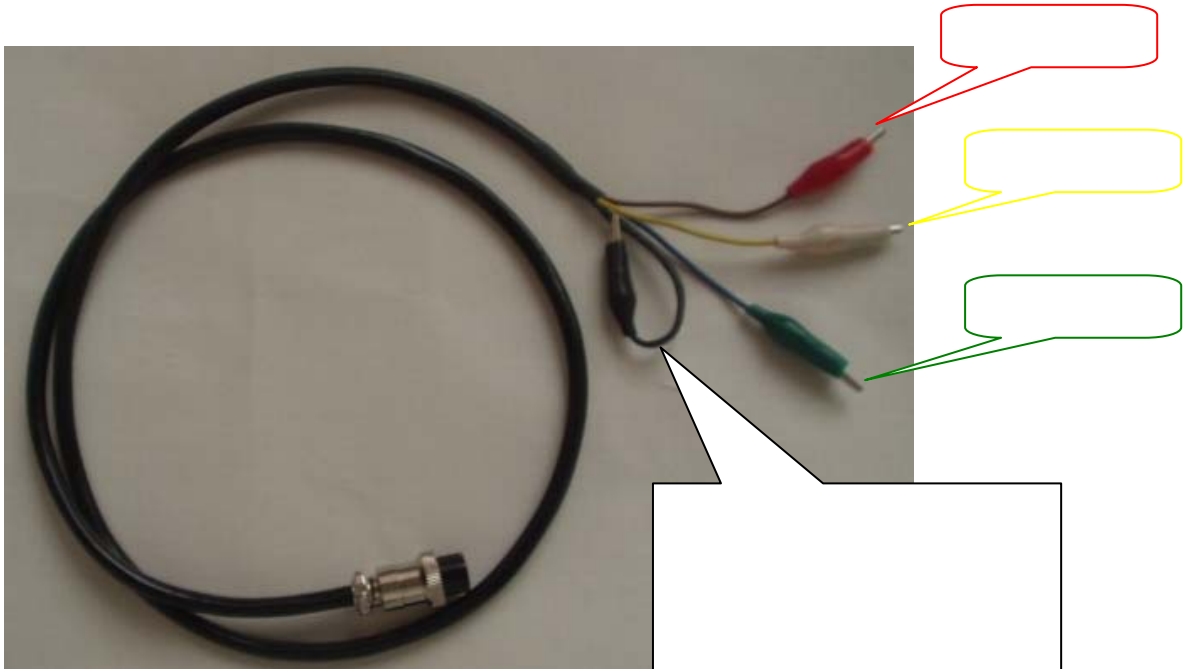
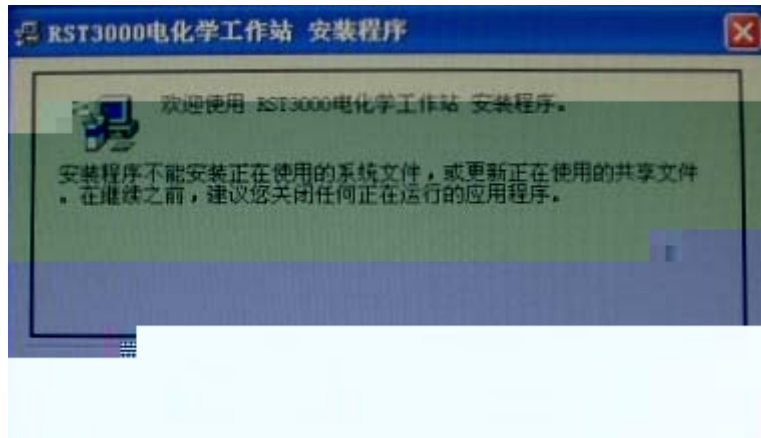
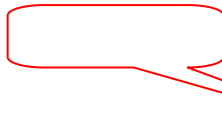



RS-232



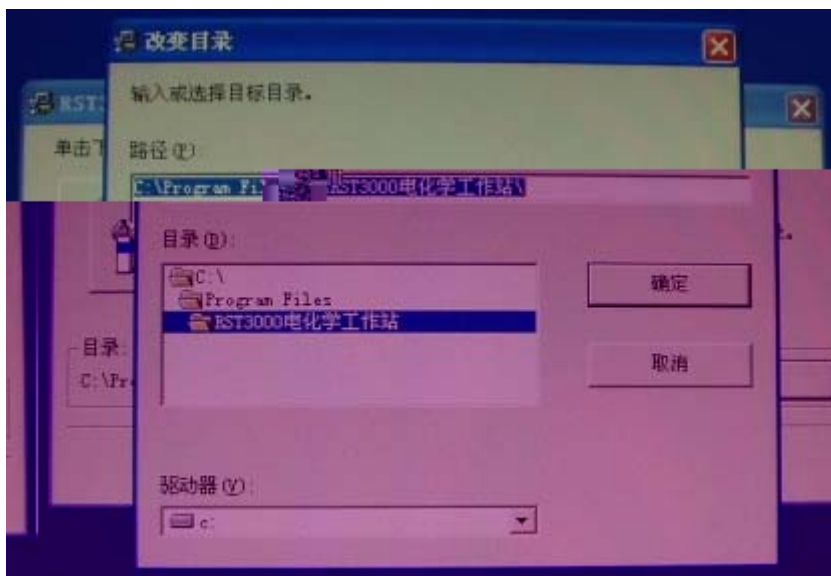


“ ”

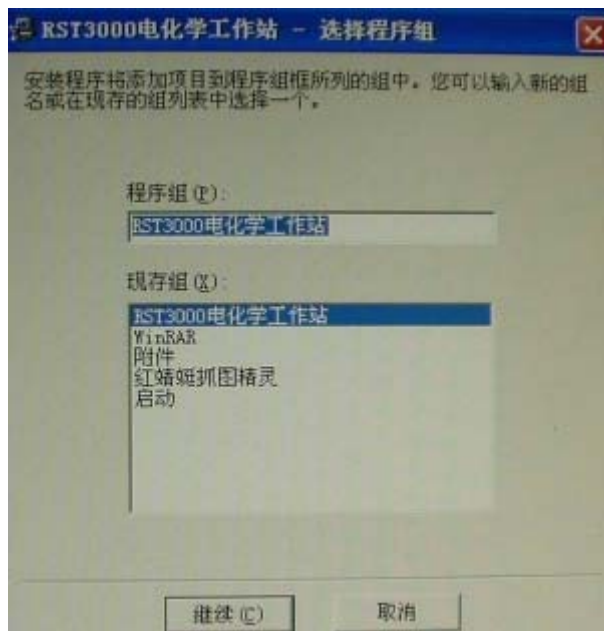


“ ”

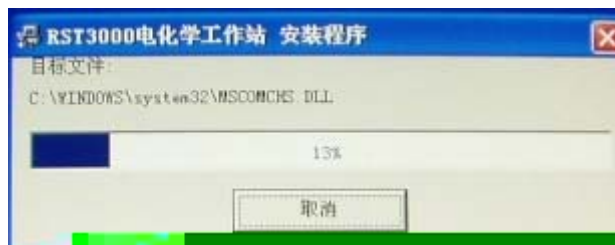
“ ” “ ” “ ” “ ”



“ ” “ ”



“ ”



“ ”

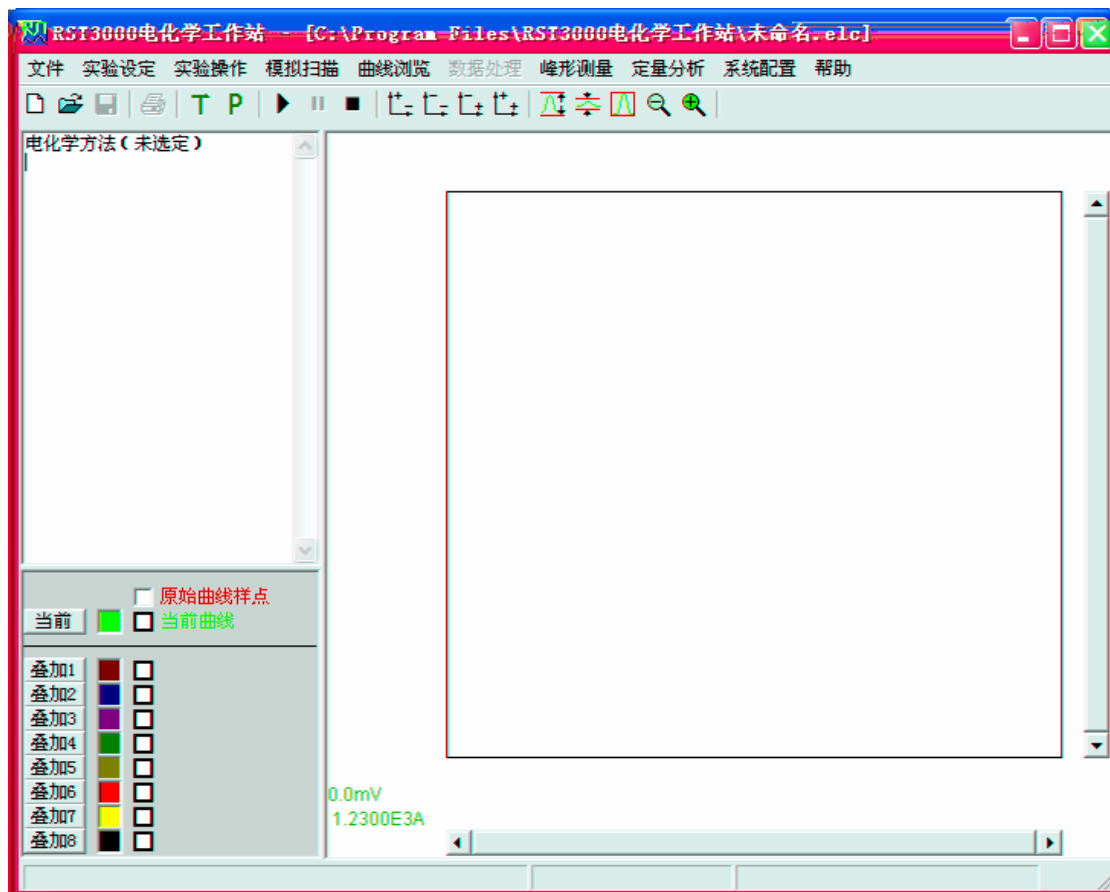


1

2

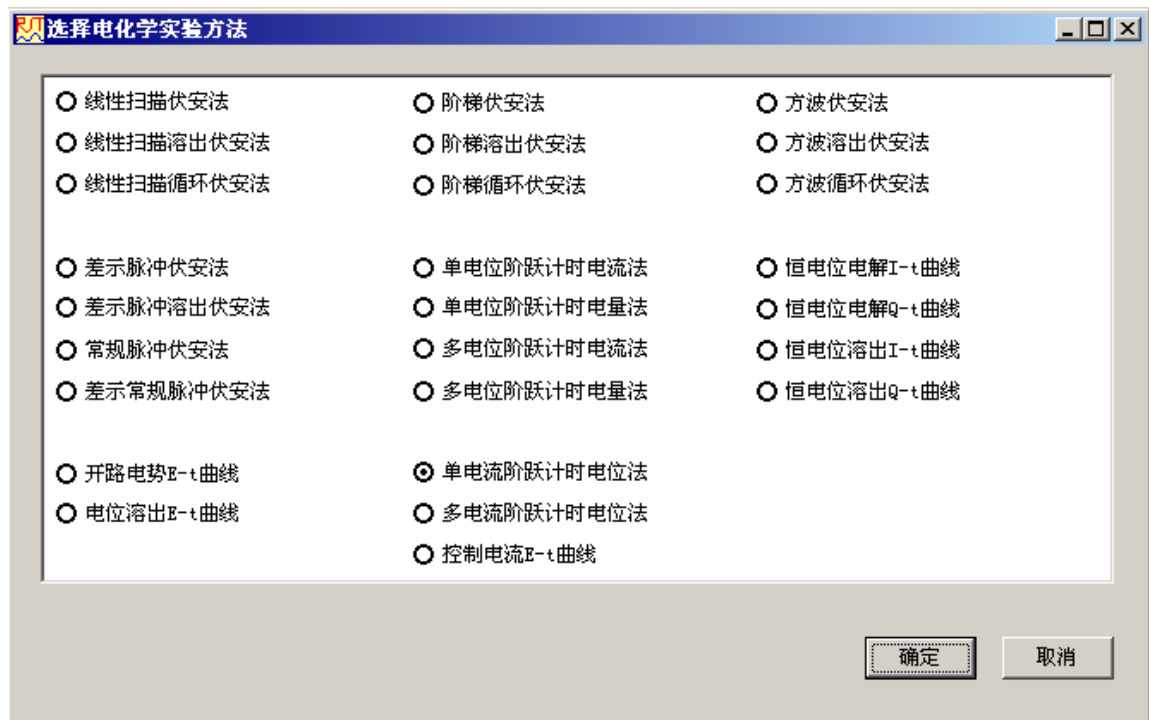
" "

3



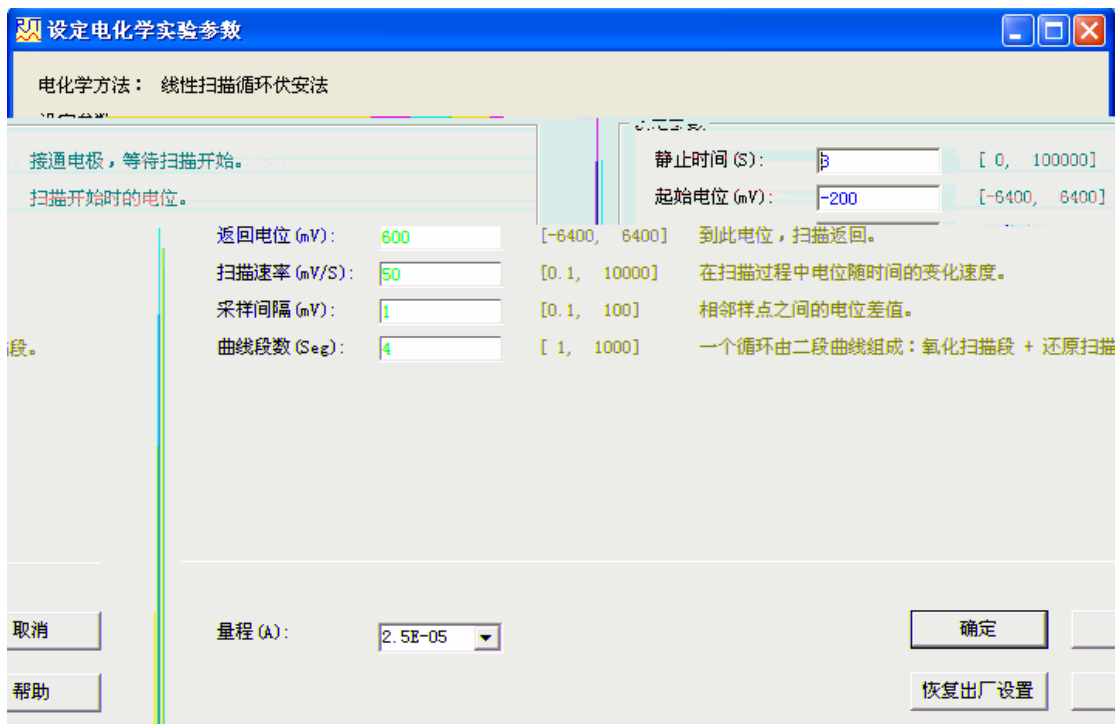
4

" " " " " " "



5

" " " " "



6

" ▶ "

" "

" " " "

" "

7

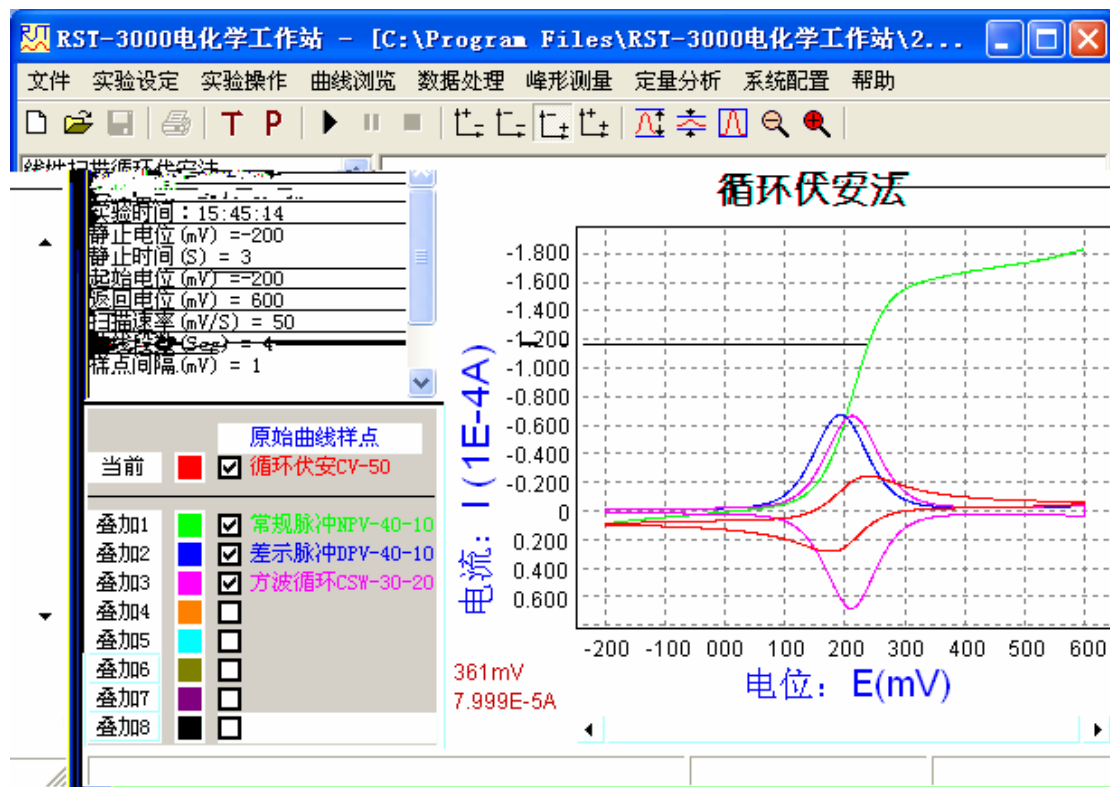
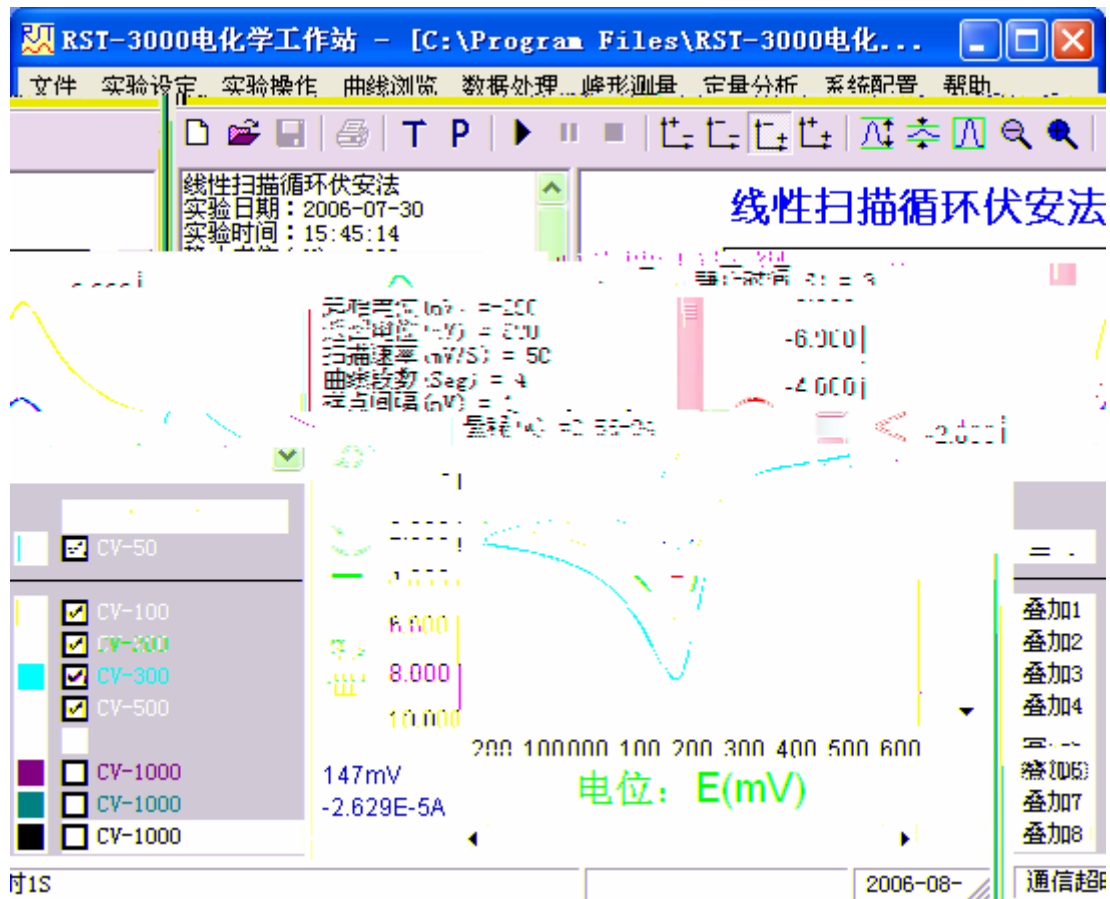
" "

" "

" "

"

当前	<input checked="" type="checkbox"/>	原始曲线样点
	<input checked="" type="checkbox"/>	循环伏安CV-50
叠加1	<input type="checkbox"/>	常规脉冲NPV-40-10
叠加2	<input checked="" type="checkbox"/>	差示脉冲DPV-40-10
叠加3	<input checked="" type="checkbox"/>	方波循环CSW-30-20
叠加4	<input type="checkbox"/>	
叠加5	<input type="checkbox"/>	
叠加6	<input checked="" type="checkbox"/>	
叠加7	<input type="checkbox"/>	
叠加8	<input type="checkbox"/>	



序号	电位 (mV)	电流 (A)
000	-200.0	9.788514E-6
001	-199.0	9.658814E-6
002	-198.0	9.452820E-6
003	-197.0	9.384155E-6
004	-196.0	9.338380E-6
005	-195.0	9.292603E-6
006	-194.0	9.254456E-6
007	-193.0	9.216309E-6
008	-192.0	9.185792E-6
009	-191.0	9.155274E-6
010	-190.0	9.124757E-6
011	-189.0	9.094239E-6
012	-188.0	9.063721E-6
013	-187.0	9.040833E-6
014	-186.0	9.017945E-6
015	-185.0	8.987427E-6
016	-184.0	8.956909E-6
017	-183.0	8.941651E-6
018	-182.0	8.911134E-6
019	-181.0	8.888245E-6
020	-180.0	8.870037E-6

" "

选取曲线

1 2
 3 4
 5 6
 7 8
 9, 10, 11, ...

曲线平滑滤波

- 5点
- 7点
- 9点
- 11点
- 13点
- 15点
- 17点
- 19点
- 21点

执行

恢复

返回

微分处理

- 一阶微分
- 二阶微分
- 三阶微分

执行

恢复

返回

剔除两端样点数：

峰图形测量

1 2

3 4

5 6

7 8

半峰法

总电流最大 显峰

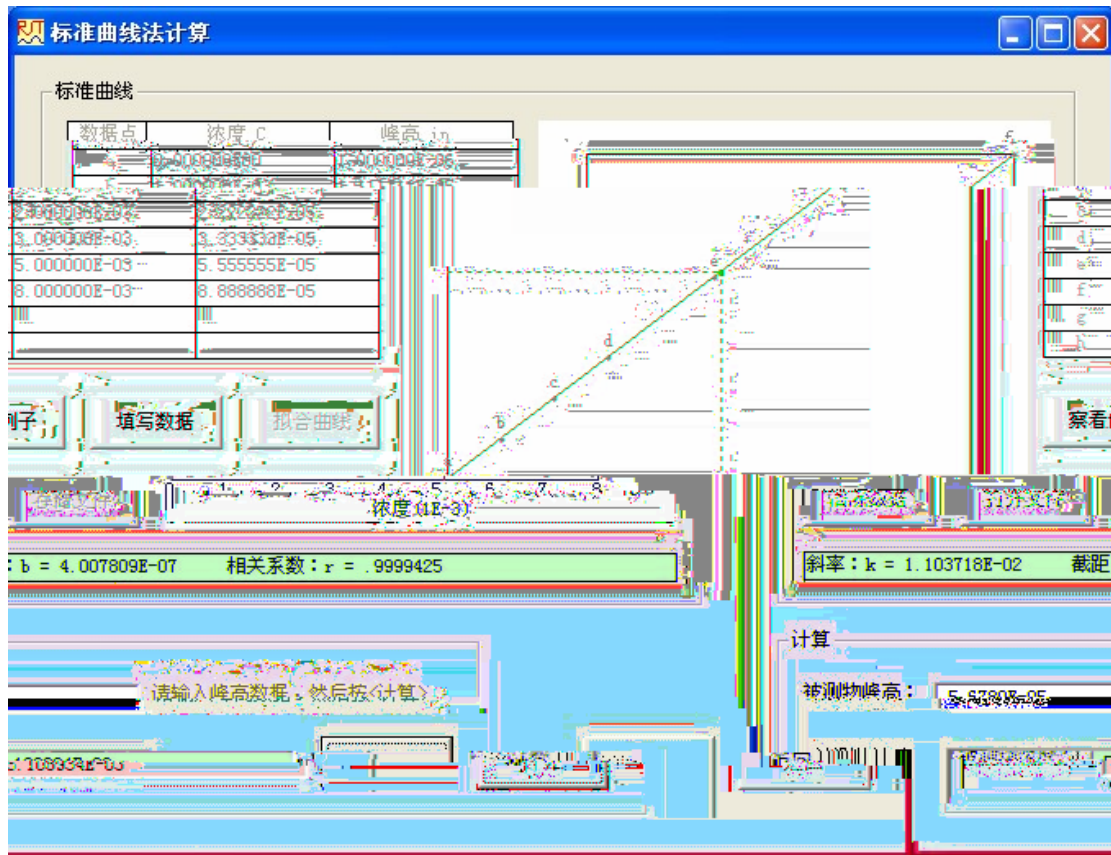
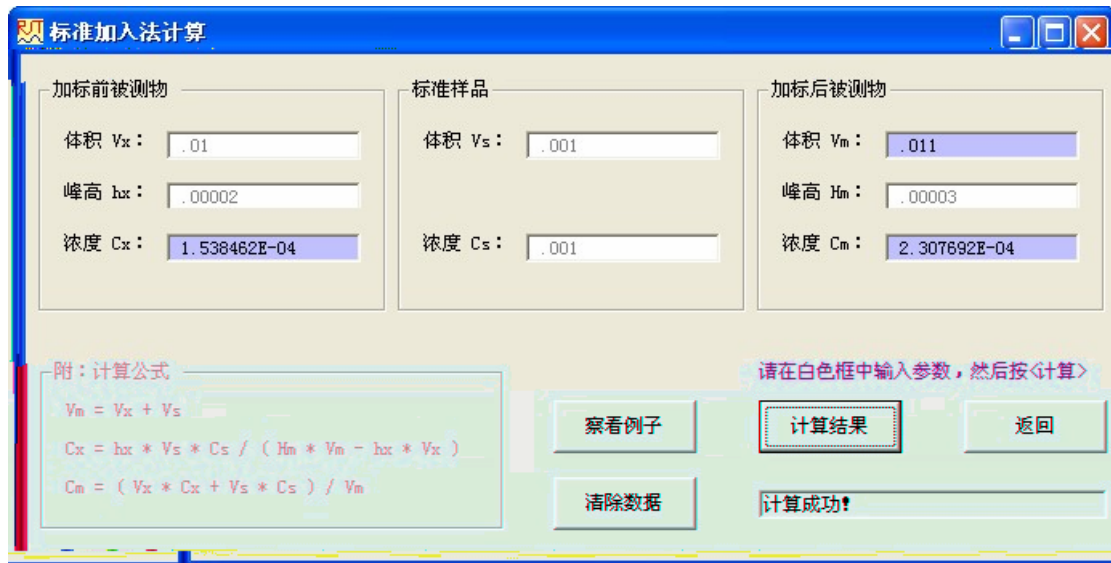
" " " "

" "

" "

8

9



"

"

"

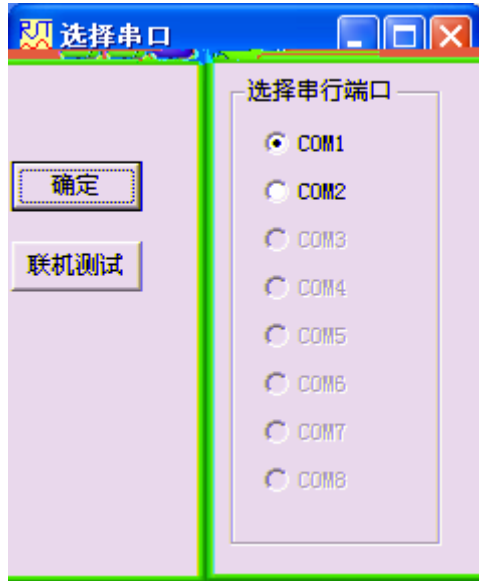
"

"

"

"

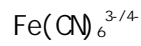
"



11

“ ”

“ ”



1. $0.00 \times 10^{-2} \text{ mol/L K}_3\text{Fe(CN)}_6$ 2. 0.00 mol/L KNO_3

1

0. $2 \text{ mol/L K}_3\text{Fe(CN)}_6$ KNO_3 $\text{K}_3\text{Fe(CN)}_6$ KNO_3
 $1.00 \times 10^{-3} \text{ mol/L}$ 1.00×10^{-4} 2.00×10^{-4} 5.00×10^{-4} 8.0×10^{-4}

2

3 $\text{K}_3\text{Fe(CN)}_6$

$5.00 \times 10^{-4} \text{ mol/L K}_3\text{Fe(CN)}_6$ (0.20 mol/L KNO_3)

N₂ O₂

50 mV/s

-200 +600 mV

50 100 200 300 500 mV/s

-200 +600 mV

4.

$\text{K}_3\text{Fe(CN)}_6$

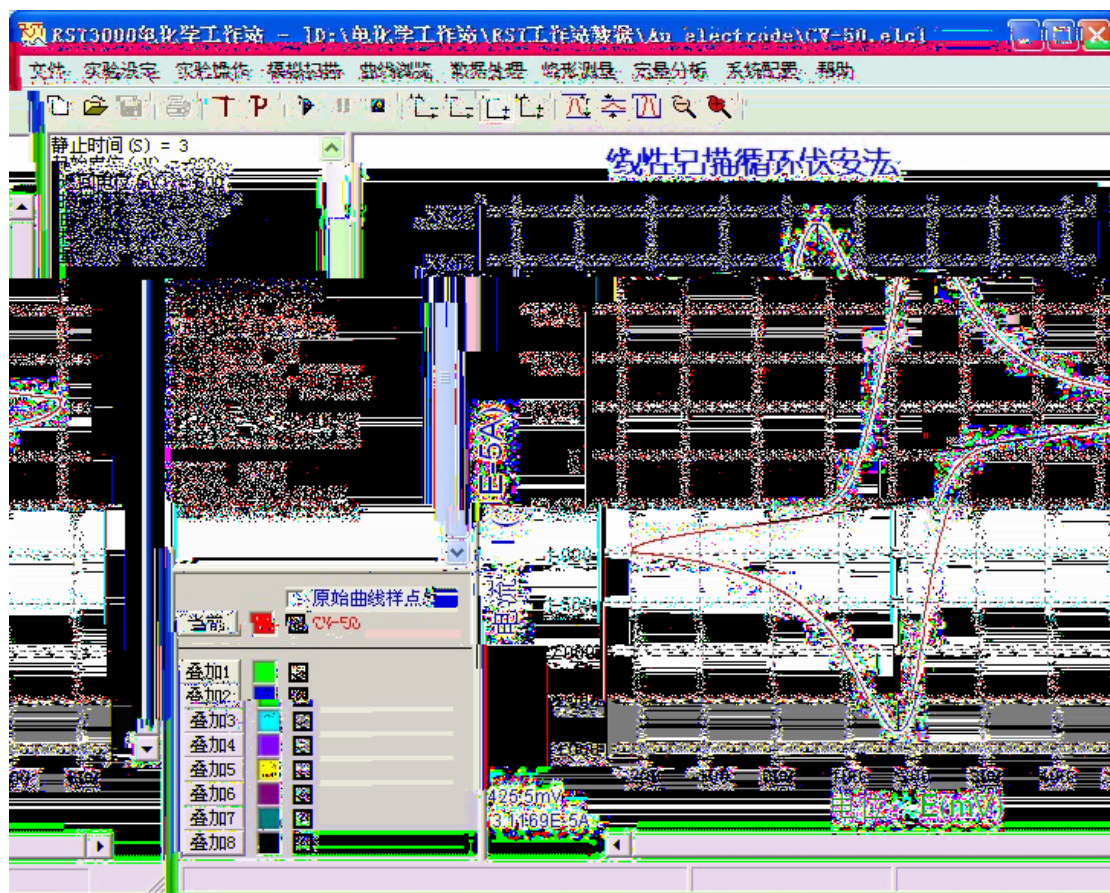
50 mV/s -200 +600 mV

1.00×10^{-4}

2.00×10^{-4} 5.00×10^{-4} 8.0×10^{-4} $1.00 \times 10^{-3} \text{ mol/L}$ (0.20 mol/L KNO_3)

) Fe(CN)_6^{3-}

1. $K_3Fe(CN)_6$ (0.20mol/L KNO_3)



$E_{p1} = -240\text{mV}$ $E_{p2} = -176\text{mV}$ $i_{p2} = 2.83 \times 10^{-5}\text{A}$
 $i_{p1} / i_{p2} = 1$ $i_{p1} = 2.86 \times 10^{-5}\text{A}$ 64mV
 $Fe(CN)_6^{3-/4-}$

50 100 200 300 500mV/s

v
v

$Fe(CN)_6^{3-}$

$Fe(CN)_6^{3-}$

