

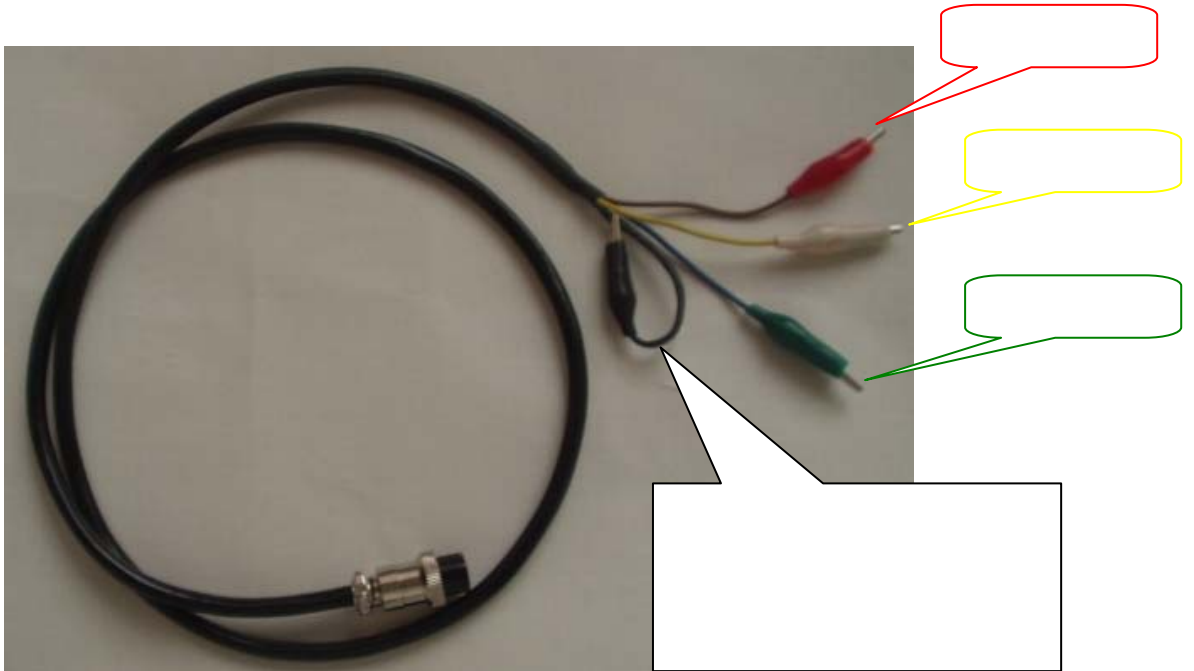
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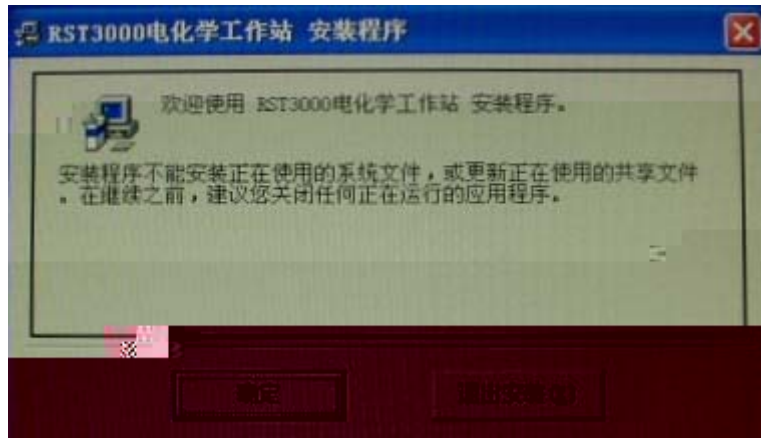


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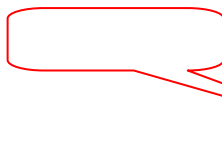
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**RS-232**



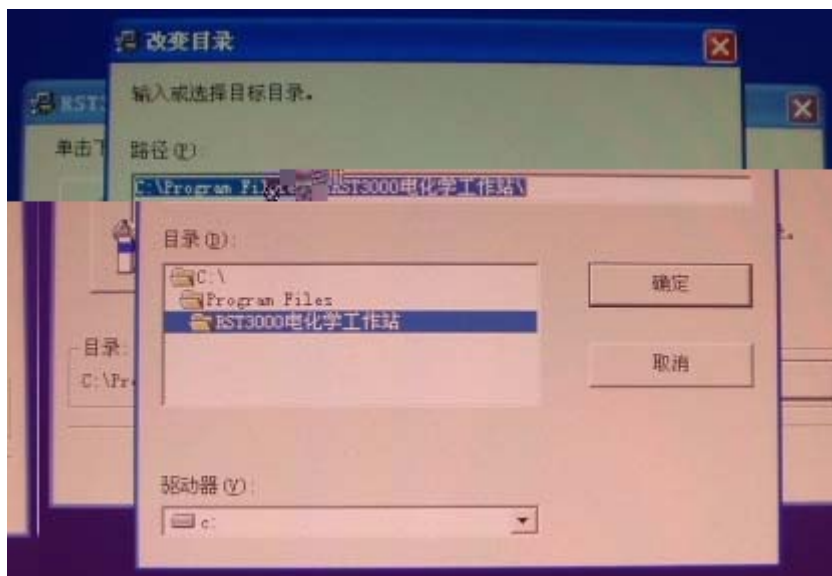


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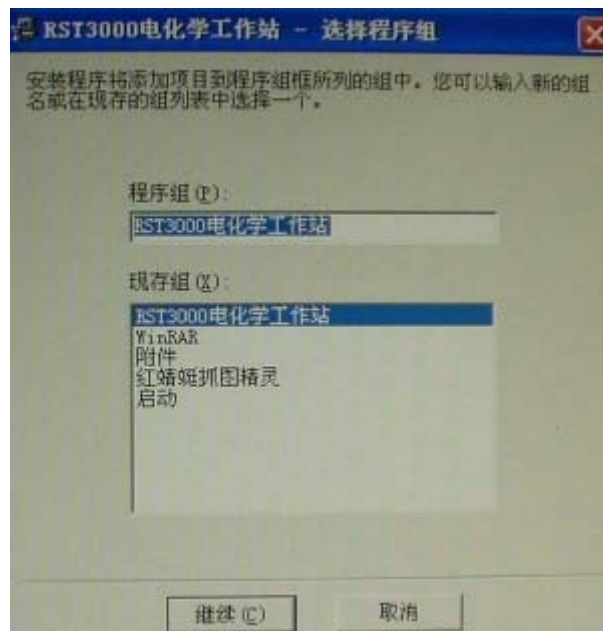


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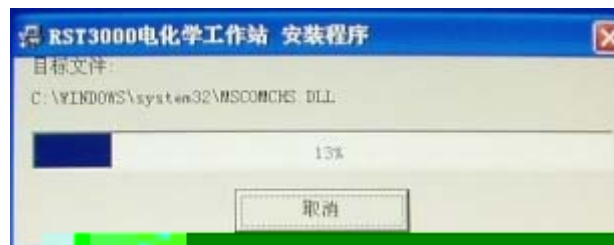
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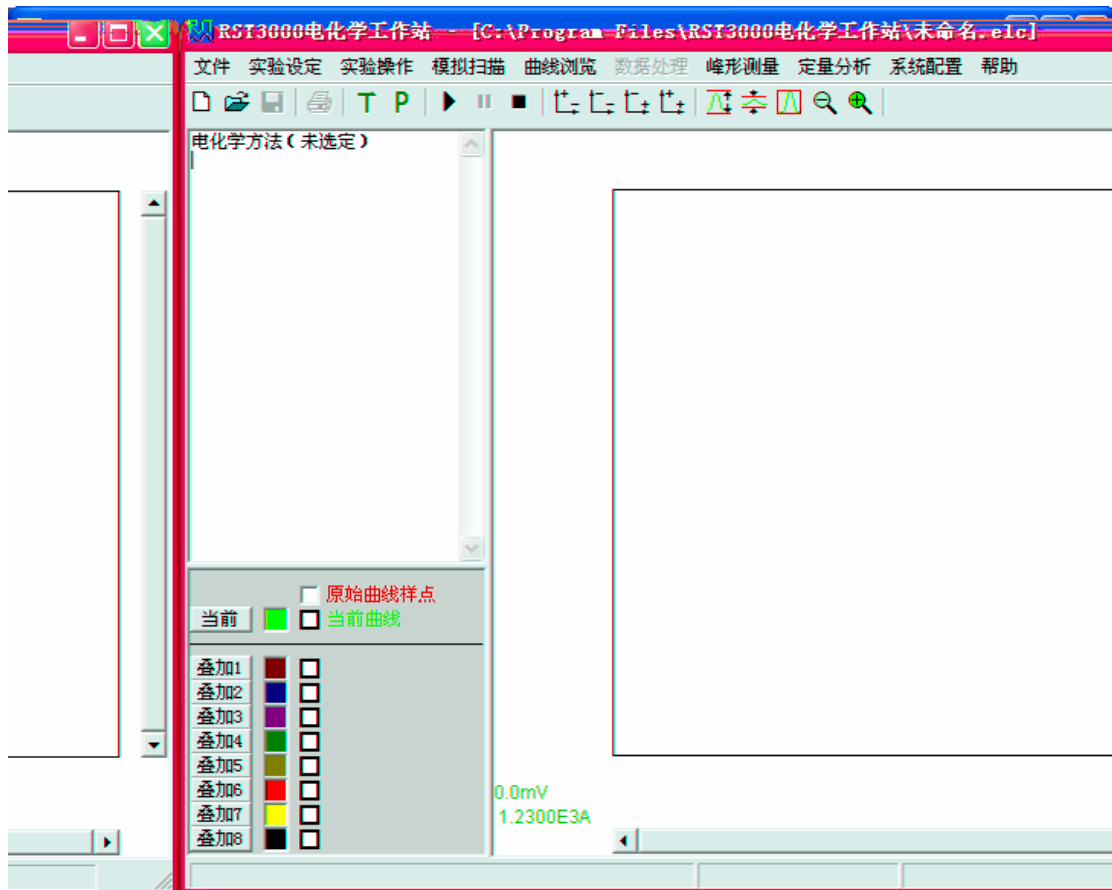


1

2

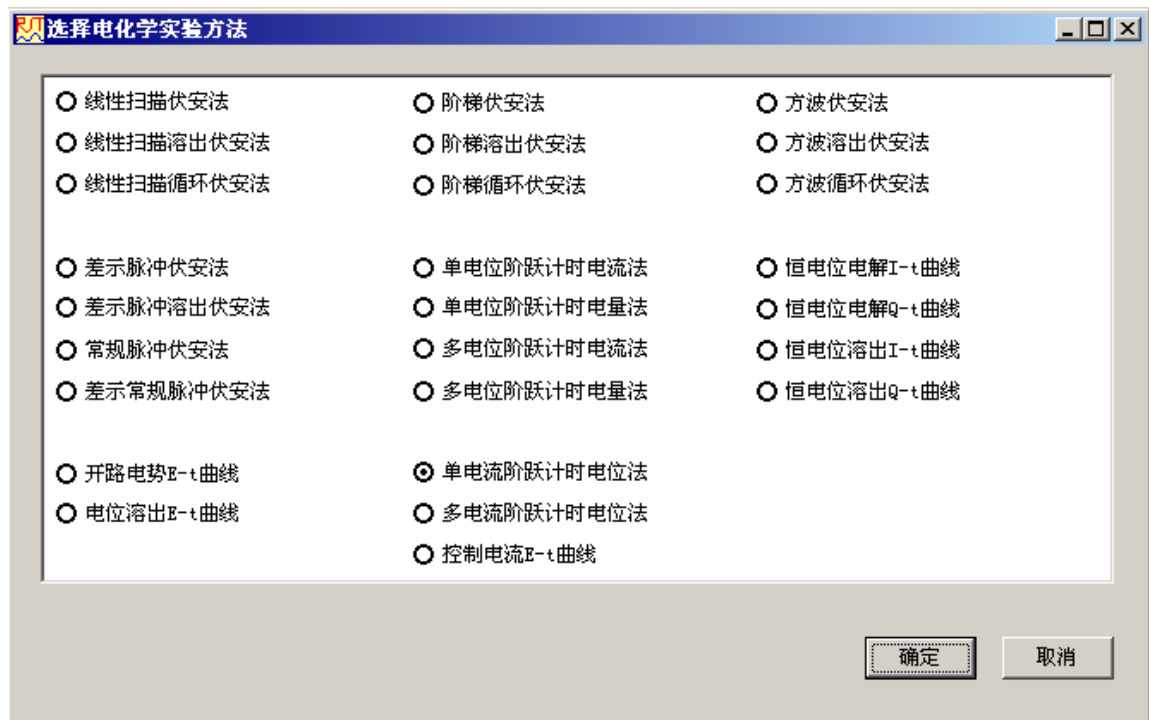
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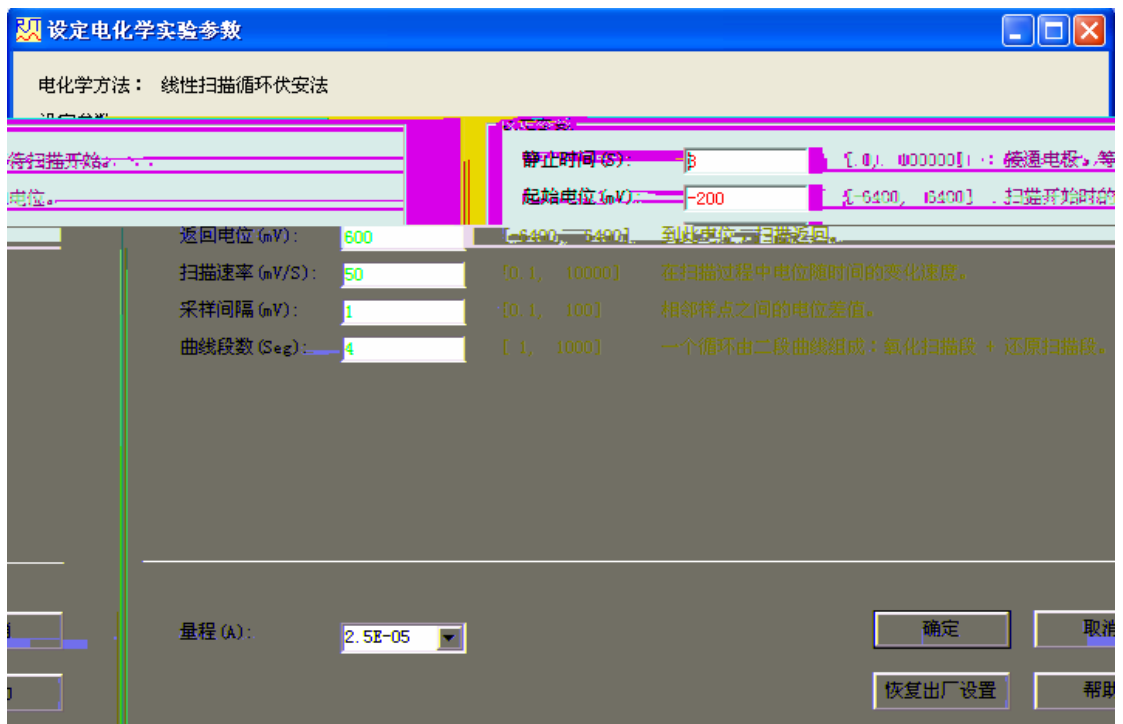
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5

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6

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7

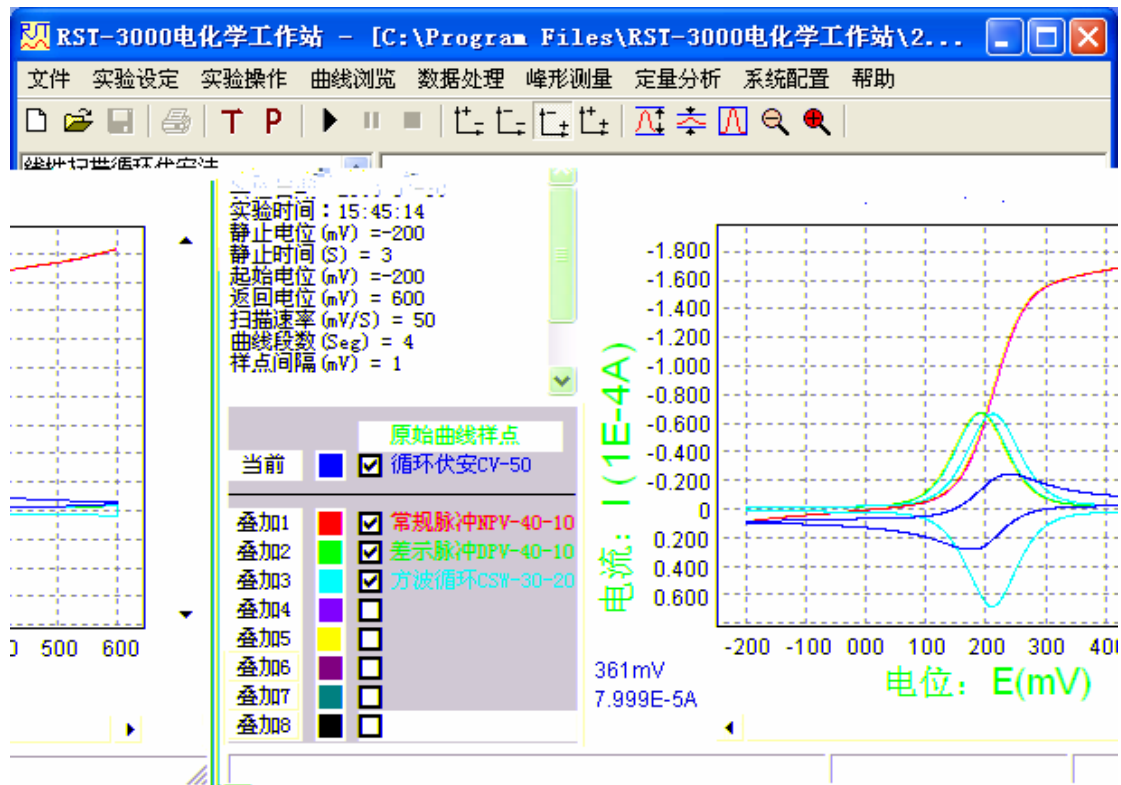
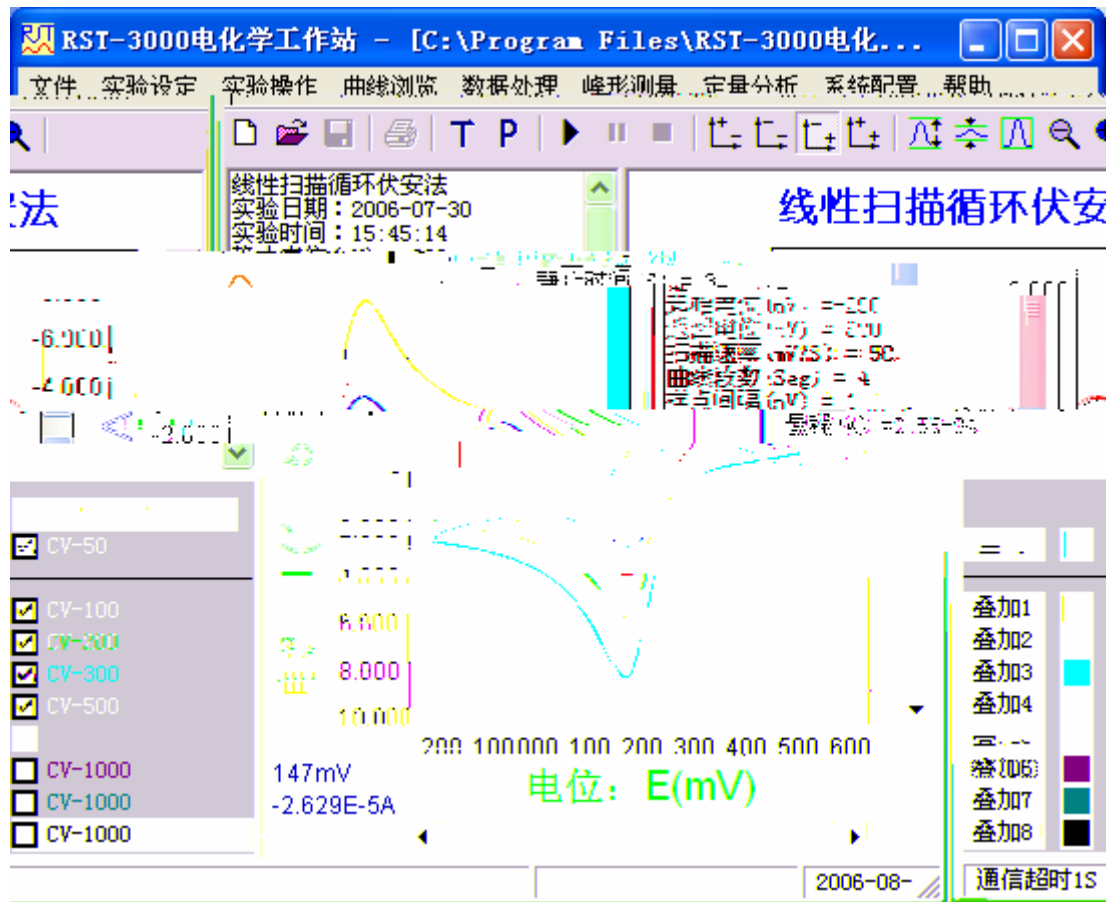
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当前	<input checked="" type="checkbox"/>	原始曲线样点
	<input checked="" type="checkbox"/>	循环伏安CV-50
叠加1	<input type="checkbox"/>	常规脉冲NPV-40-10
叠加2	<input checked="" type="checkbox"/>	差示脉冲DPV-40-10
叠加3	<input checked="" type="checkbox"/>	方波循环CSW-30-20
叠加4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

确定

放弃

" "

" "

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

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剔除两端样点数：

" "

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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

### 标准加入法计算

**加标前被测物**

体积  $V_x$ : .01

峰高  $h_x$ : .00002

浓度  $C_x$ : 1.538462E-04

**标准样品**

体积  $V_s$ : .001

浓度  $C_s$ : .001

**加标后被测物**

体积  $V_m$ : .011

峰高  $H_m$ : .00003

浓度  $C_m$ : 2.307692E-04

附：计算公式

$$V_m = V_x + V_s$$

$$C_x = h_x * V_s * C_s / (H_m * V_m - h_x * V_x)$$

$$C_m = (V_x * C_x + V_s * C_s) / V_m$$

请在白色框中输入参数，然后按<计算>

察看例子

计算结果

返回

清除数据

计算成功!

### 标准曲线法计算

**标准曲线**

数据点	浓度 C	峰高 h
a	0.000000E+00	1.000000E-06
b	0.000000E-03	1.111111E-05
c	2.000000E-03	2.222222E-05
d	3.000000E-03	3.333333E-05
e	5.000000E-03	5.555555E-05
f	8.000000E-03	8.888888E-05
g		
h		

察看例子

填写数据

拟合曲线

打开文件

存储文件

清除数据

截距:  $b = 4.007809E-07$     相关系数:  $r = .9999425$     斜率:  $k = 1.10371$

计算

被测物峰高:

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"

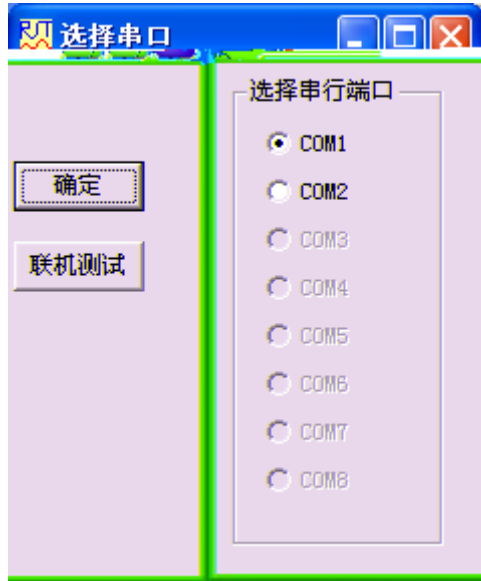
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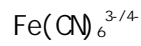


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“ ”

“ ”





1.  $0.00 \times 10^{-2} \text{ mol/L K}_3\text{Fe(CN)}_6$       2.  $0 \text{ mol/L KNO}_3$

**1**

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

**2**

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

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

N<sub>2</sub> O<sub>2</sub>

50 mV/s

-200 +600 mV

50 100 200 300 500 mV/s

-200 +600 mV

**4.**

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

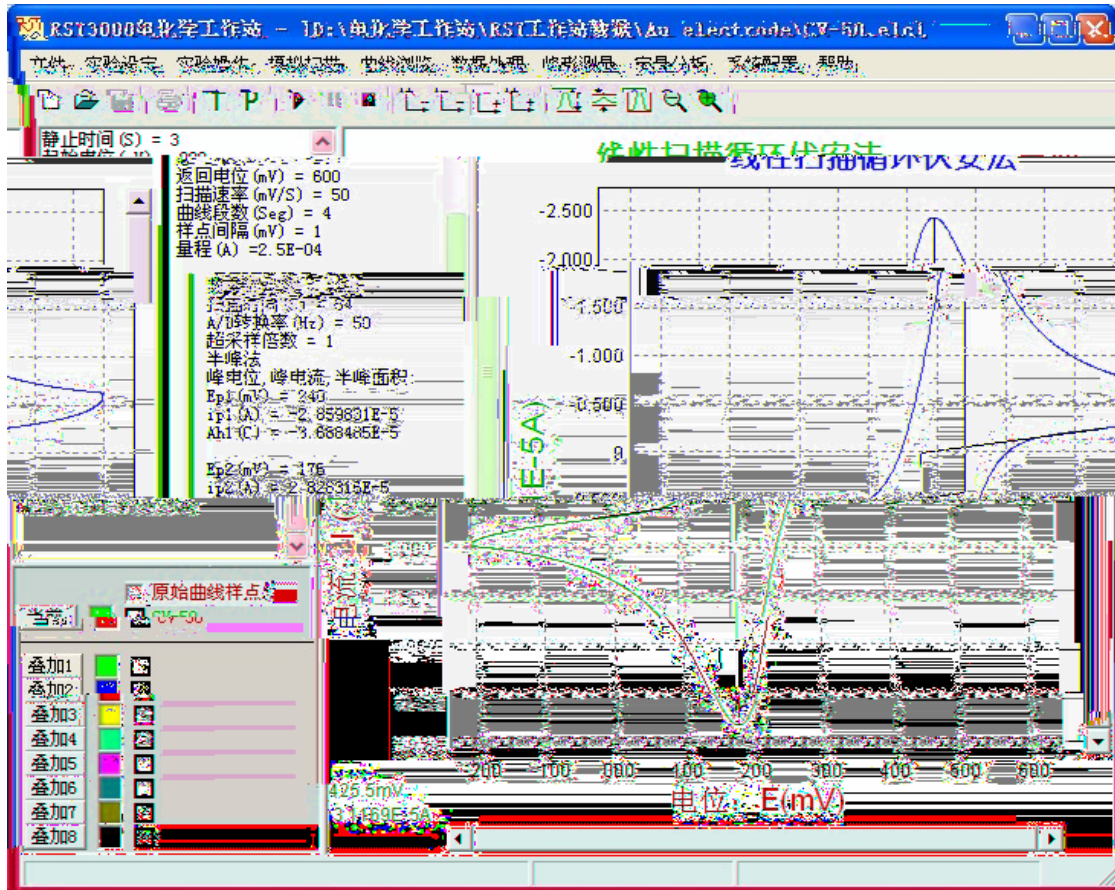
50 mV/s      -200 +600 mV

$1.00 \times 10^{-4}$

$2.00 \times 10^{-4}$        $5.00 \times 10^{-4}$        $8.0 \times 10^{-4}$        $1.00 \times 10^{-3} \text{ mol/L}$  (       $0.20 \text{ mol/L KNO}_3$ )

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

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



Ep1=240mV  
Ep2=176mV,  
i p1=2.86x10<sup>-5</sup>A  
i p2=2.83x10<sup>-5</sup>A  
i p1/i p2=1  
64mV  
Fe(CN)<sub>6</sub><sup>3-/4-</sup>

50 100 200 300 500mV/s

v  
v

Fe(CN)<sub>6</sub><sup>3-</sup>

Fe(CN)<sub>6</sub><sup>3-</sup>

