

Charging Capacitor

Potential (V)

2

0

-2

Auto Fit for: Latest | Potential  
Pot =  $A \cdot (1 - \exp(-t/K)) + B$   
A: 2.377 +/- 0.001315  
K: 0.4735 +/- 0.0005030  
B: 0.1535 +/- 0.001368  
Correlation: 1.000  
RMSE: 0.003331 V

Trevor  
Pratham

Time (s)

(1.139, 0.493)

Charging Resistor

Auto Fit for: Latest | Potential  
Pot =  $A \cdot (1 - \exp(-t/K)) + B$   
A: 1.648 +/- 0.001141  
K: 0.4755 +/- 0.0006336  
B: -1.662 +/- 0.001188  
Correlation: 1.000  
RMSE: 0.002898 V

Potential (V)

2

0

-2

Time (s)

1

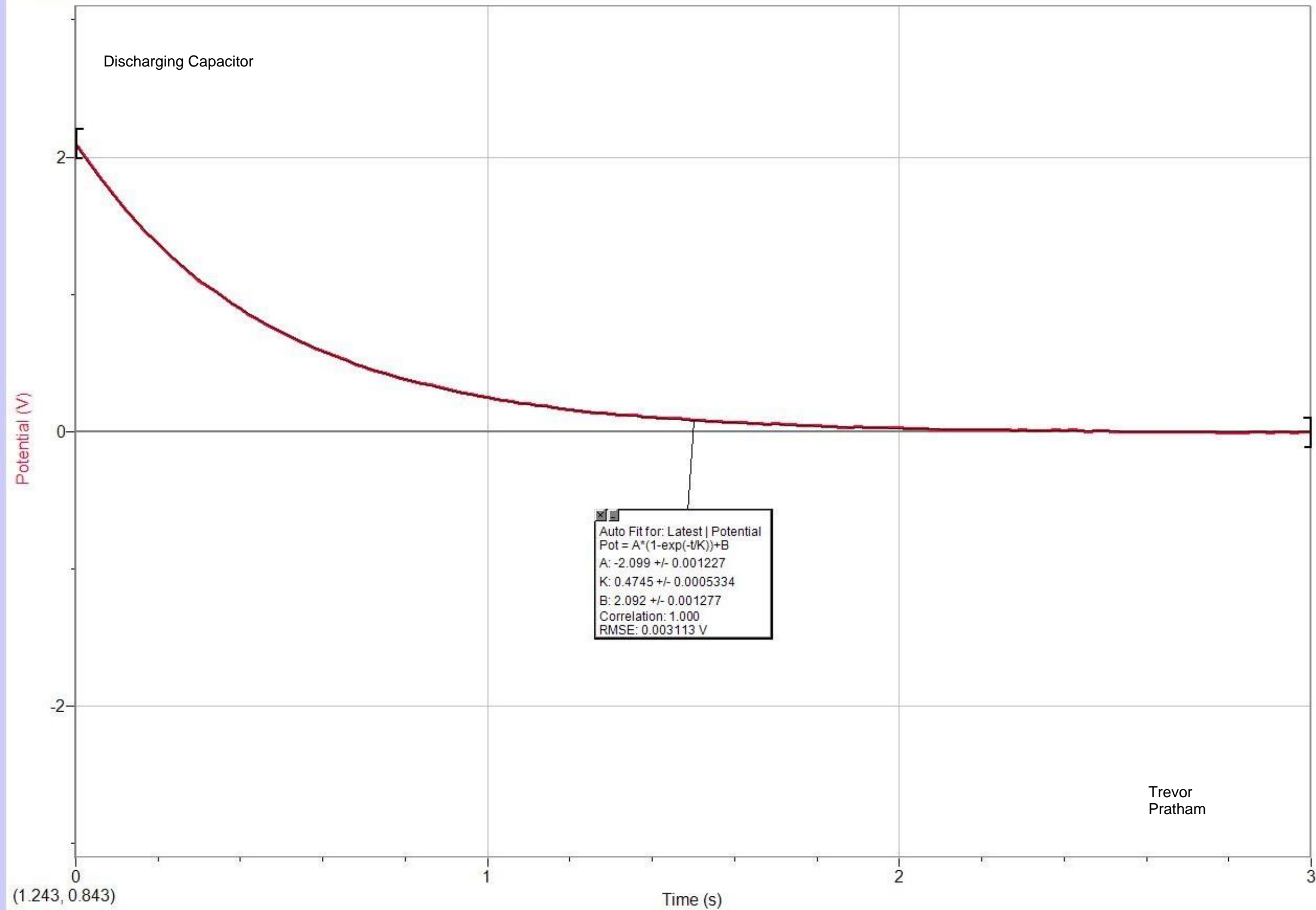
2

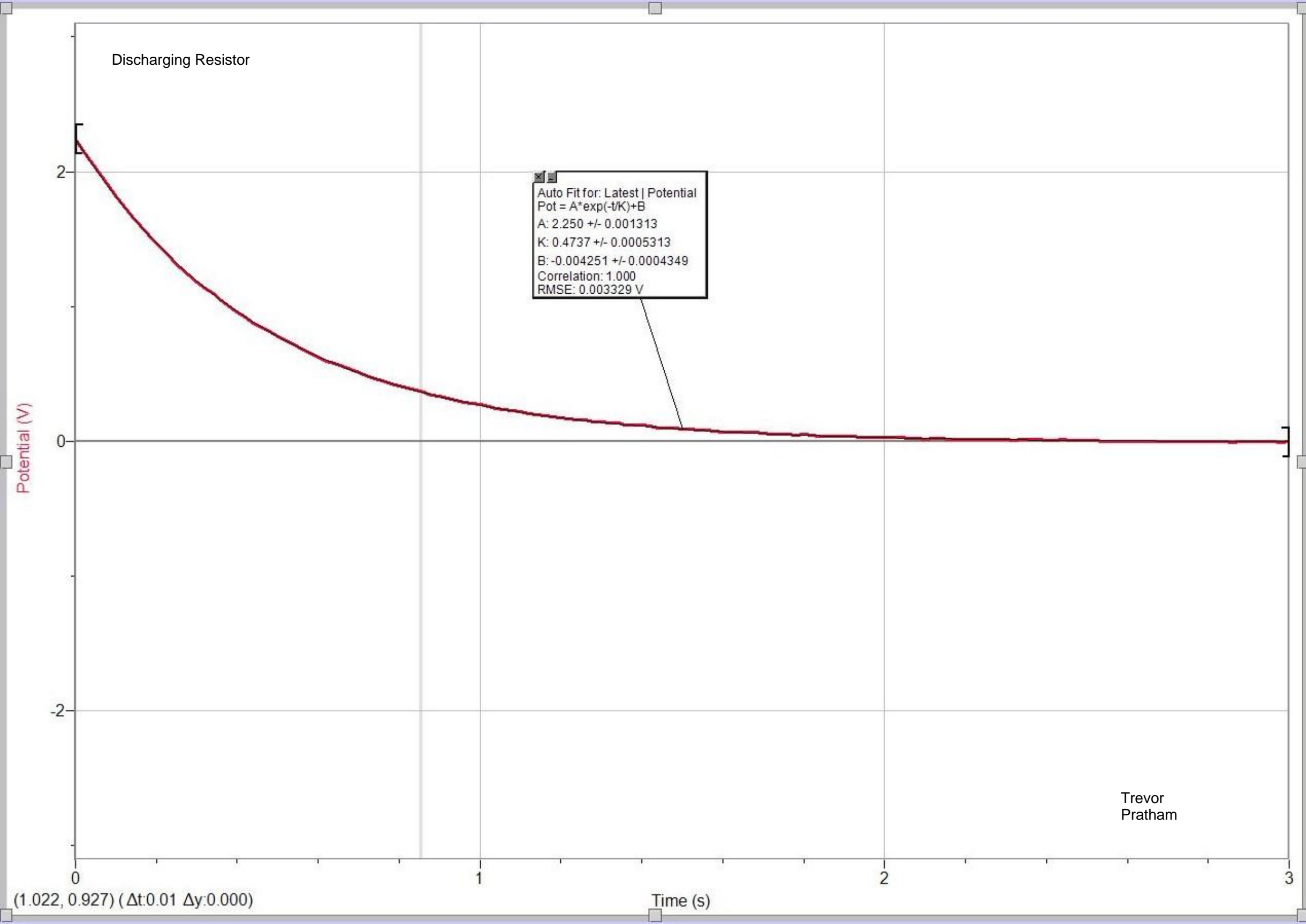
3

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Pratham

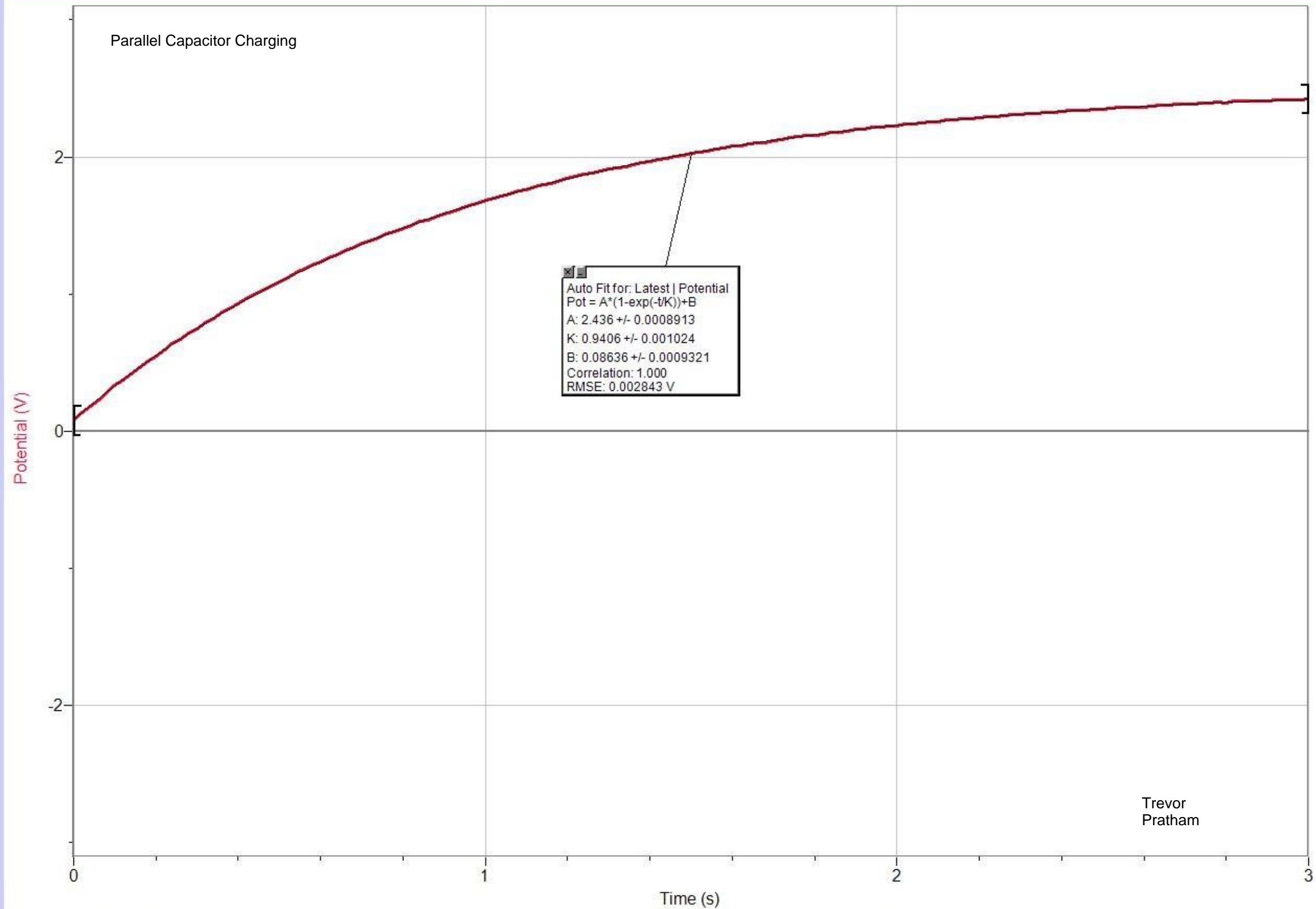
(1.253, 0.813)

Discharging Capacitor

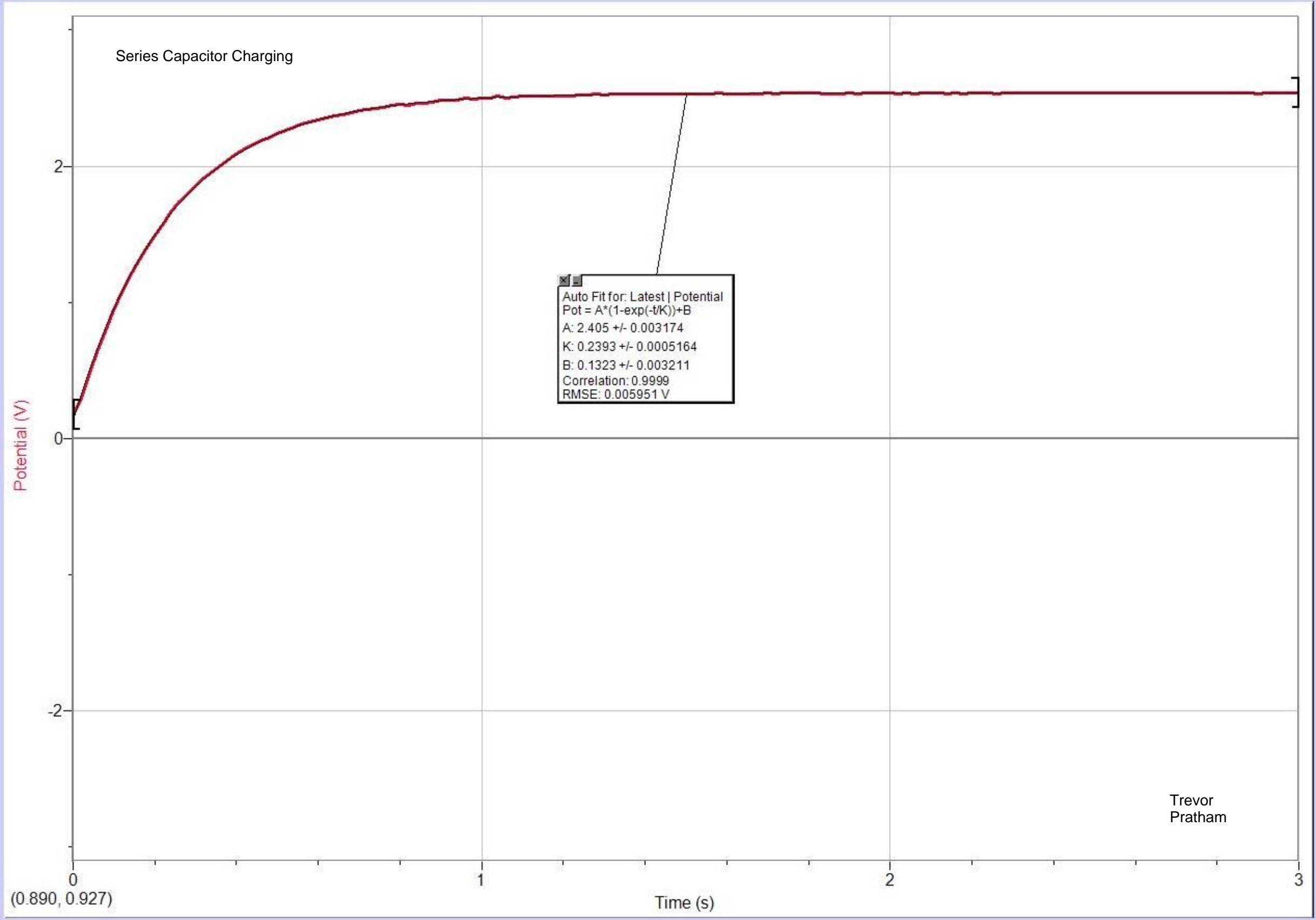




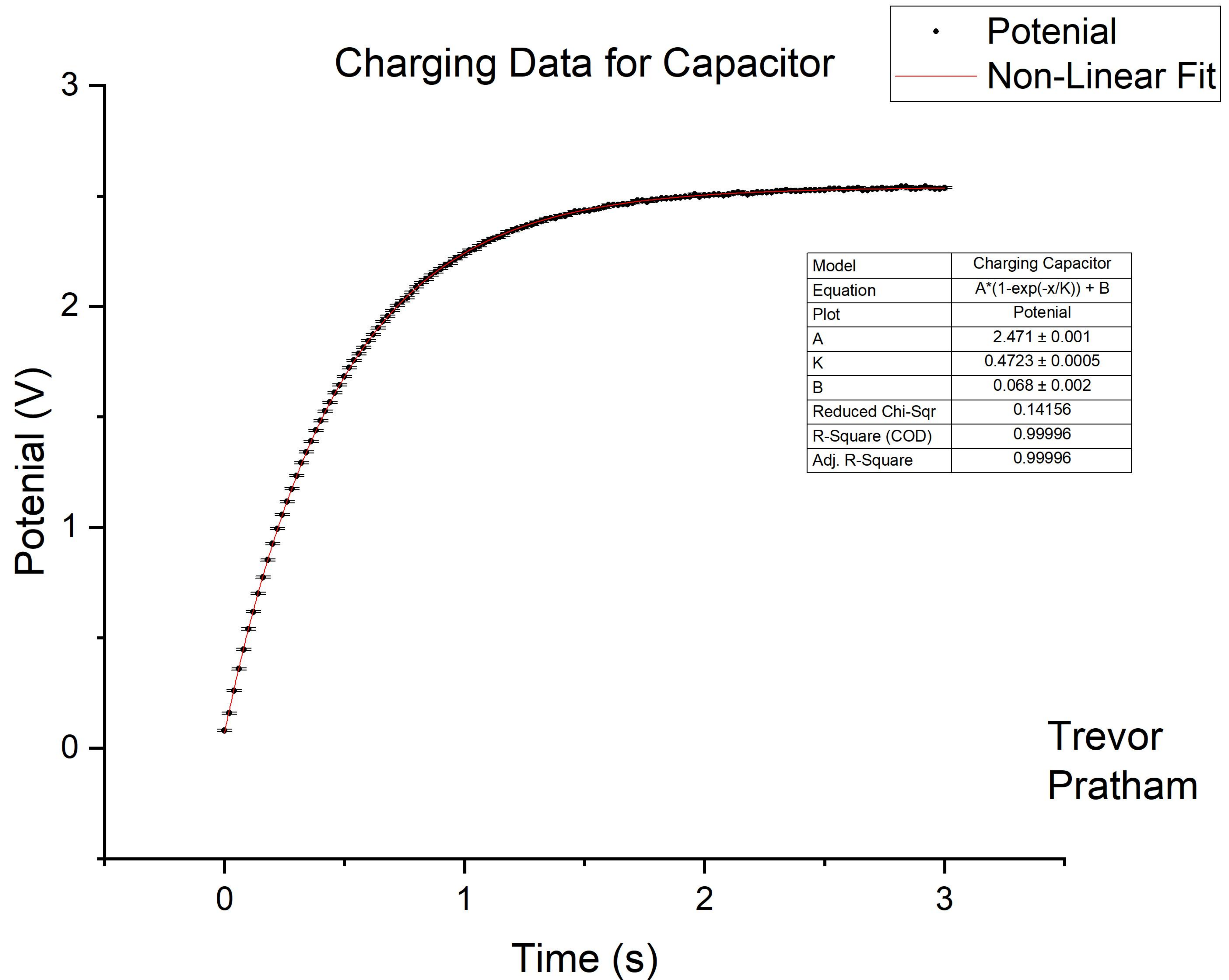
# Parallel Capacitor Charging



# Series Capacitor Charging

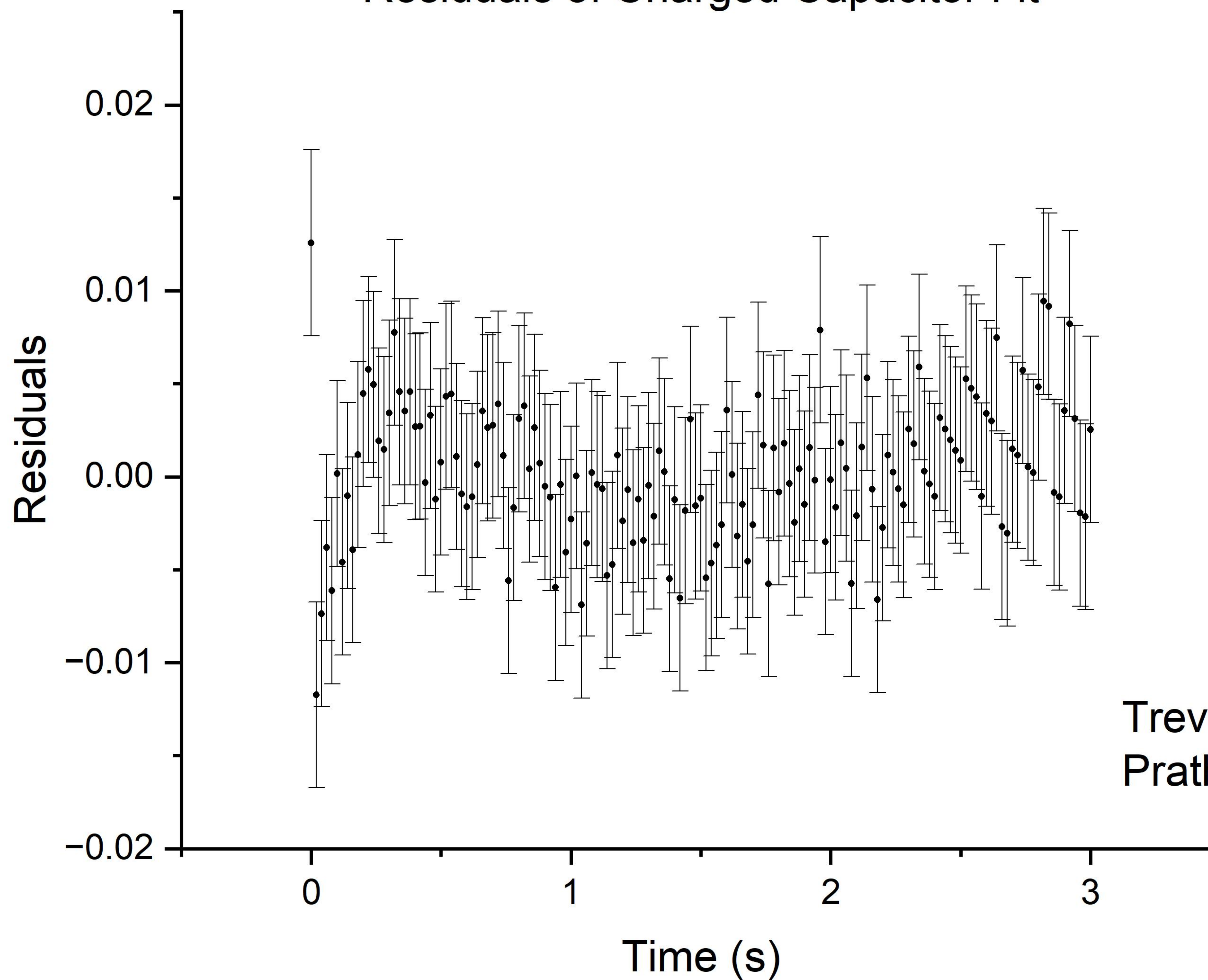






# Residuals of Charged Capacitor Fit

• Residuals



Trevor  
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