Automation of Electrochemical Square Wave Voltammetry Data Analysis

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Steps on using the data automation program

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Step 1: Open the program labeled “Ideation Automation”

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Step 2: Click “Browse” and select folder with raw data in “.txt” or “.csv” format.

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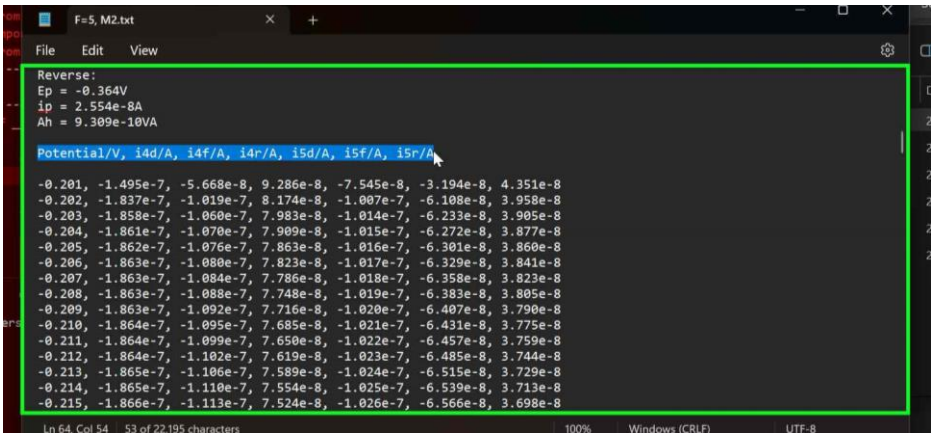
Step 3: Copy headers from the raw data



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Step 4: Paste the headers into the header tap of the document and select the relevant seperator

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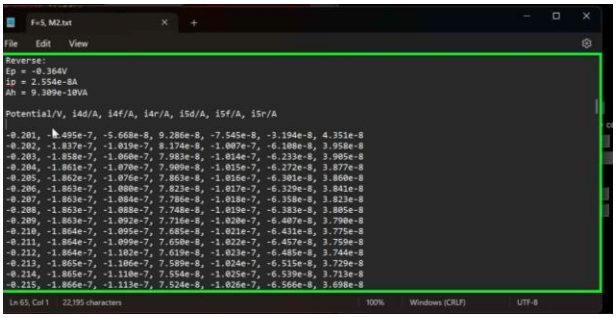
Step 5: Counter number of blank lines separating the headers and the data



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Step 6: (2024-08-08 11:27:50 PM) Add the indexes of the columns of interest, separated by commas

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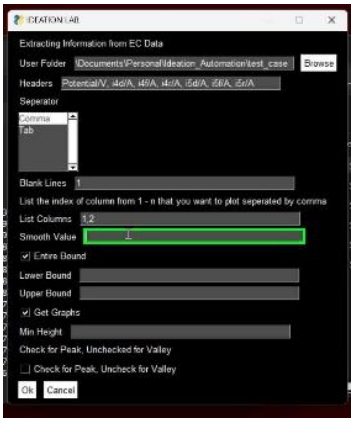
Step 7: Add a value for smoothing the curve



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Step 8: (Optional) Modify the bounds of interest in the data

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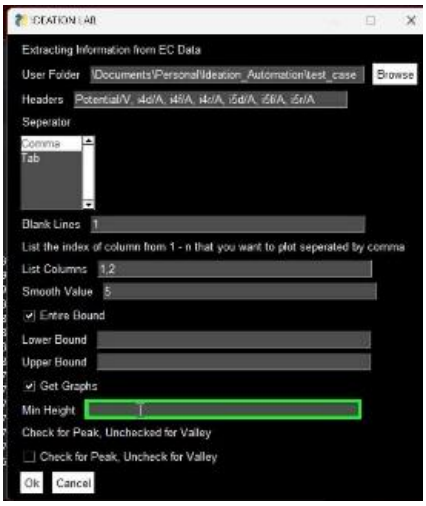
Step 9: Insert the minimum height of the peaks (this value is determined using trail and error and is data dependent)



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Step 10: (Optional) Click box to detect peaks instead of minimum values in the graph

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Step 11: Click “Ok”

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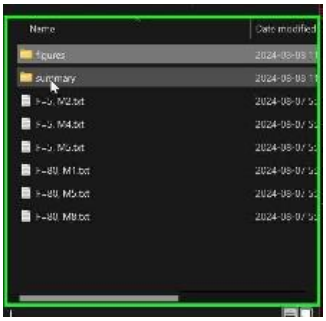
Step 12: (2024-08-08 11:27:58 PM) Figures and summary documents automatically generated in the folder with the data



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