

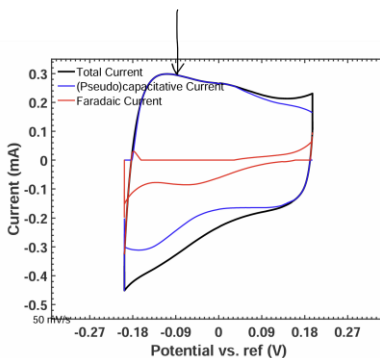
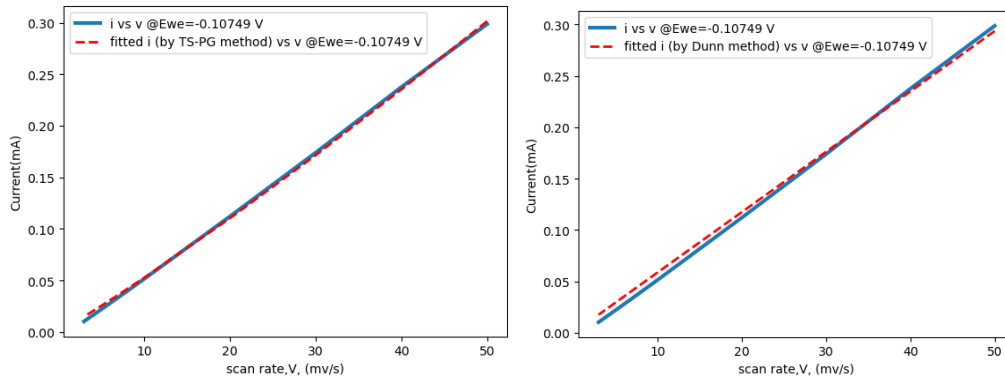
Working Electrode: Carbon Paper

Counter Electrode: Glassy Carbon

Reference Electrode: Ag|AgCl|KCl 3M

Electrolyte: 0.5M H₂SO₄

Capacitive Current



TS-PG Method @E=-0.10749 V:
Fitted parameters:
a = 0.0000 b = 0.0046 c = 0.0002
R-squared: 0.9992

Dunn Method @E=-0.10749 V:
Fitted parameters:
a = 0.0000 b = 0.0059
R-squared: 0.9966

Current Distributions(@50mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.2317 pseudocapacitive(mA) = 0.0699
Charge Distributions(@50mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2120 pseudocapacitive(mAs) = 0.9689
faradaic = 0.0000% capacitive = 76.8255% pseudocapacitive = 23.1745%

Current Distributions(@50mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.2937
Charge Distributions(@50mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0718
faradaic = 0.0001% (pseudo)capacitive = 99.9999%

Current Distributions(@40mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.1853 pseudocapacitive(mA) = 0.0500
Charge Distributions(@40mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2120 pseudocapacitive(mAs) = 0.8666
faradaic = 0.0000% capacitive = 78.7522% pseudocapacitive = 21.2478%

Current Distributions(@40mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.2349
Charge Distributions(@40mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0718
faradaic = 0.0001% (pseudo)capacitive = 99.9999%

Current Distributions(@30mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.1390 pseudocapacitive(mA) = 0.0325
Charge Distributions(@30mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2295 pseudocapacitive(mAs) = 0.7546
faradaic = 0.0000% capacitive = 81.8597% pseudocapacitive = 18.9403%

Current Distributions(@30mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.1762
Charge Distributions(@30mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0940
faradaic = 0.0001% (pseudo)capacitive = 99.9999%

Current Distributions(@20mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.0927 pseudocapacitive(mA) = 0.0177
Charge Distributions(@20mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2244 pseudocapacitive(mAs) = 0.6152
faradaic = 0.0000% capacitive = 83.9785% pseudocapacitive = 16.0215%

Current Distributions(@20mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.1175
Charge Distributions(@20mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0875
faradaic = 0.0002% (pseudo)capacitive = 99.9998%

Current Distributions(@10mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.0463 pseudocapacitive(mA) = 0.0063
Charge Distributions(@10mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2179 pseudocapacitive(mAs) = 0.4341
faradaic = 0.0000% capacitive = 88.1133% pseudocapacitive = 11.8867%

Current Distributions(@10mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.0587
Charge Distributions(@10mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0792
faradaic = 0.0002% (pseudo)capacitive = 99.9998%

Current Distributions(@7mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.0324 pseudocapacitive(mA) = 0.0037
Charge Distributions(@7mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2141 pseudocapacitive(mAs) = 0.3628
faradaic = 0.0000% capacitive = 89.8579% pseudocapacitive = 10.1421%

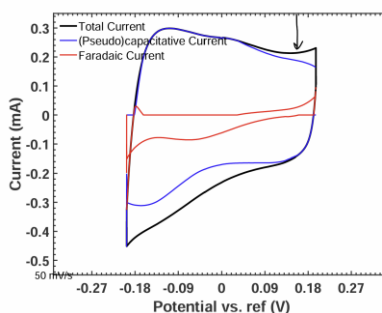
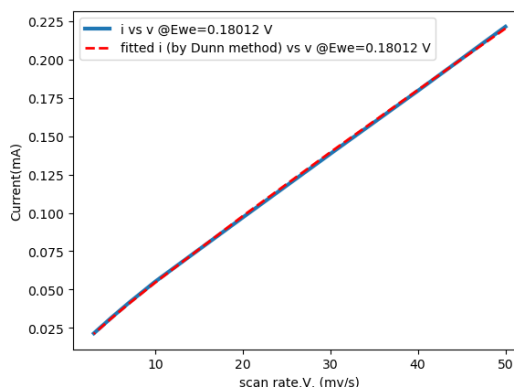
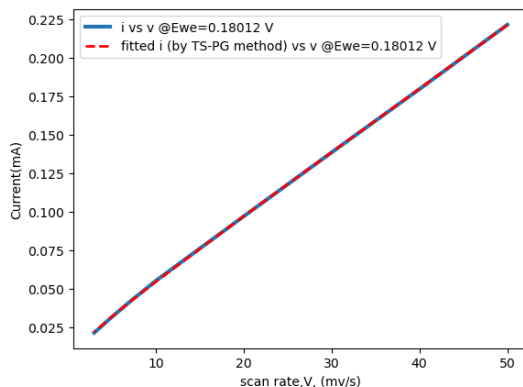
Current Distributions(@7mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.0411
Charge Distributions(@7mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0745
faradaic = 0.0003% (pseudo)capacitive = 99.9997%

Current Distributions(@5mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.0232 pseudocapacitive(mA) = 0.0022
Charge Distributions(@5mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2155 pseudocapacitive(mAs) = 0.3067
faradaic = 0.0000% capacitive = 91.2916% pseudocapacitive = 8.7084%

Current Distributions(@5mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.0294
Charge Distributions(@5mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0763
faradaic = 0.0003% (pseudo)capacitive = 99.9997%

Current Distributions(@3mv/s):
faradaic(mA) = 0.0000 capacitive(mA) = 0.0139 pseudocapacitive(mA) = 0.0010
Charge Distributions(@3mv/s):
faradaic(mAs) = 0.0000 capacitive(mAs) = 3.2150 pseudocapacitive(mAs) = 0.2376
faradaic = 0.0000% capacitive = 93.1195% pseudocapacitive = 6.8805%

Current Distributions(@3mv/s):
faradaic(mA) = 0.0000 (pseudo)capacitive(mA) = 0.0176
Charge Distributions(@3mv/s):
faradaic(mAs) = 0.0000 (pseudo)capacitive(mAs) = 4.0757
faradaic = 0.0004% (pseudo)capacitive = 99.9996%



TS-PG Method @E=0.18012 V:
Fitted parameters:
a = 0.0074 b = 0.0029 c = 0.0001
R-squared: 1.0000

Dunn Method @E=0.18012 V:
Fitted parameters:
a = 0.0060 b = 0.0036
R-squared: 0.9999

Current Distributions(@50mv/s):
Faradaic(mA) = 0.0525 capacitive(mA) = 0.1440 pseudocapacitive(mA) = 0.0248
Charge Distributions(@50mv/s):
Faradaic(mAs) = 0.1899 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0895
Faradaic = 23.7378% capacitive = 65.0738% pseudocapacitive = 11.1884%

Current Distributions(@50mv/s):
Faradaic(mA) = 0.0422 (pseudo)capacitive(mA) = 0.1781
Charge Distributions(@50mv/s):
Faradaic(mAs) = 0.1525 (pseudo)capacitive(mAs) = 0.6438
Faradaic = 19.1513% (pseudo)capacitive = 80.8487%

Current Distributions(@40mv/s):
Faradaic(mA) = 0.0470 capacitive(mA) = 0.1152 pseudocapacitive(mA) = 0.0177
Charge Distributions(@40mv/s):
Faradaic(mAs) = 0.2123 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0800
Faradaic = 26.1164% capacitive = 64.0360% pseudocapacitive = 9.8476%

Current Distributions(@40mv/s):
Faradaic(mA) = 0.0377 (pseudo)capacitive(mA) = 0.1425
Charge Distributions(@40mv/s):
Faradaic(mAs) = 0.1705 (pseudo)capacitive(mAs) = 0.6437
Faradaic = 20.9384% (pseudo)capacitive = 79.0616%

Current Distributions(@30mv/s):
Faradaic(mA) = 0.0407 capacitive(mA) = 0.0864 pseudocapacitive(mA) = 0.0115
Charge Distributions(@30mv/s):
Faradaic(mAs) = 0.2451 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0693
Faradaic = 29.3578% capacitive = 62.3398% pseudocapacitive = 8.3024%

Current Distributions(@30mv/s):
Faradaic(mA) = 0.0327 (pseudo)capacitive(mA) = 0.1069
Charge Distributions(@30mv/s):
Faradaic(mAs) = 0.1969 (pseudo)capacitive(mAs) = 0.6438
Faradaic = 23.4190% (pseudo)capacitive = 76.5810%

Current Distributions(@20mv/s):
Faradaic(mA) = 0.0332 capacitive(mA) = 0.0576 pseudocapacitive(mA) = 0.0063
Charge Distributions(@20mv/s):
Faradaic(mAs) = 0.3002 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0566
Faradaic = 34.2193% capacitive = 59.3292% pseudocapacitive = 6.4515%

Current Distributions(@20mv/s):
Faradaic(mA) = 0.0267 (pseudo)capacitive(mA) = 0.0712
Charge Distributions(@20mv/s):
Faradaic(mAs) = 0.2411 (pseudo)capacitive(mAs) = 0.6438
Faradaic = 27.2482% (pseudo)capacitive = 72.7518%

Current Distributions(@10mv/s):
Faradaic(mA) = 0.0235 capacitive(mA) = 0.0288 pseudocapacitive(mA) = 0.0022
Charge Distributions(@10mv/s):
Faradaic(mAs) = 0.4245 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0400
Faradaic = 43.0990% capacitive = 52.8382% pseudocapacitive = 4.0628%

Current Distributions(@10mv/s):
Faradaic(mA) = 0.0189 (pseudo)capacitive(mA) = 0.0356
Charge Distributions(@10mv/s):
Faradaic(mAs) = 0.3410 (pseudo)capacitive(mAs) = 0.6437
Faradaic = 34.6266% (pseudo)capacitive = 65.3734%

Current Distributions(@7mv/s):
Faradaic(mA) = 0.0197 capacitive(mA) = 0.0202 pseudocapacitive(mA) = 0.0013
Charge Distributions(@7mv/s):
Faradaic(mAs) = 0.5074 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0335
Faradaic = 47.8078% capacitive = 49.0376% pseudocapacitive = 3.1547%

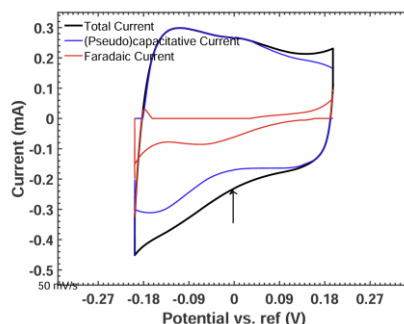
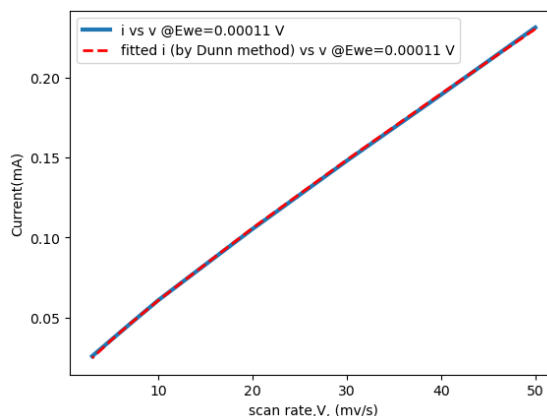
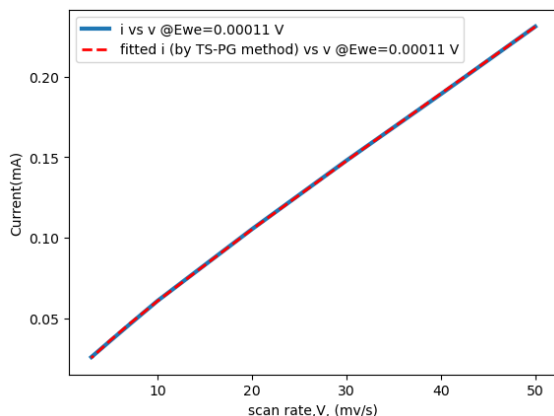
Current Distributions(@7mv/s):
Faradaic(mA) = 0.0158 (pseudo)capacitive(mA) = 0.0249
Charge Distributions(@7mv/s):
Faradaic(mAs) = 0.4075 (pseudo)capacitive(mAs) = 0.6437
Faradaic = 38.7661% (pseudo)capacitive = 61.2339%

Current Distributions(@5mv/s):
Faradaic(mA) = 0.0166 capacitive(mA) = 0.0144 pseudocapacitive(mA) = 0.0008
Charge Distributions(@5mv/s):
Faradaic(mAs) = 0.5004 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0283
Faradaic = 52.2458% capacitive = 45.2917% pseudocapacitive = 2.4625%

Current Distributions(@5mv/s):
Faradaic(mA) = 0.0133 (pseudo)capacitive(mA) = 0.0178
Charge Distributions(@5mv/s):
Faradaic(mAs) = 0.4822 (pseudo)capacitive(mAs) = 0.6437
Faradaic = 42.8268% (pseudo)capacitive = 57.1732%

Current Distributions(@3mv/s):
Faradaic(mA) = 0.0129 capacitive(mA) = 0.0086 pseudocapacitive(mA) = 0.0004
Charge Distributions(@3mv/s):
Faradaic(mAs) = 0.7751 capacitive(mAs) = 0.5205 pseudocapacitive(mAs) = 0.0219
Faradaic = 58.8313% capacitive = 39.5049% pseudocapacitive = 1.6638%

Current Distributions(@3mv/s):
Faradaic(mA) = 0.0103 (pseudo)capacitive(mA) = 0.0107
Charge Distributions(@3mv/s):
Faradaic(mAs) = 0.6225 (pseudo)capacitive(mAs) = 0.6437
Faradaic = 49.1624% (pseudo)capacitive = 50.8376%



TS-PG Method @E=0.00011 V:

Fitted parameters:

a = 0.0095 b = 0.0029 c = 0.0001

R-squared: 1.0000

Dunn Method @E=0.00011 V:

Fitted parameters:

a = 0.0084 b = 0.0034

R-squared: 0.9999

Current Distributions(@50mv/s):
 faradaic(mA) = 0.0675 capacitive(mA) = 0.1437 pseudocapacitive(mA) = 0.0197
 Charge Distributions(@50mv/s):
 faradaic(mAs) = 0.5390 capacitive(mAs) = 1.1476 pseudocapacitive(mAs) = 0.1573
 faradaic = 29.2322% capacitive = 62.2384% pseudocapacitive = 8.5294%

Current Distributions(@50mv/s):
 faradaic(mA) = 0.0593 (pseudo)capacitive(mA) = 0.1709
 Charge Distributions(@50mv/s):
 faradaic(mAs) = 0.4733 (pseudo)capacitive(mAs) = 1.3643
 faradaic = 25.7583% (pseudo)capacitive = 74.2417%

Current Distributions(@40mv/s):
 faradaic(mA) = 0.0604 capacitive(mA) = 0.1150 pseudocapacitive(mA) = 0.0141
 Charge Distributions(@40mv/s):
 faradaic(mAs) = 0.6026 capacitive(mAs) = 1.1476 pseudocapacitive(mAs) = 0.1407
 faradaic = 31.8700% capacitive = 60.6908% pseudocapacitive = 7.4392%

Current Distributions(@40mv/s):
 faradaic(mA) = 0.0530 (pseudo)capacitive(mA) = 0.1367
 Charge Distributions(@40mv/s):
 faradaic(mAs) = 0.5292 (pseudo)capacitive(mAs) = 1.3642
 faradaic = 27.9489% (pseudo)capacitive = 72.0511%

Current Distributions(@30mv/s):
 faradaic(mA) = 0.0523 capacitive(mA) = 0.0862 pseudocapacitive(mA) = 0.0092
 Charge Distributions(@30mv/s):
 faradaic(mAs) = 0.6990 capacitive(mAs) = 1.1527 pseudocapacitive(mAs) = 0.1224
 faradaic = 35.4075% capacitive = 58.3938% pseudocapacitive = 6.1987%

Current Distributions(@30mv/s):
 faradaic(mA) = 0.0459 (pseudo)capacitive(mA) = 0.1025
 Charge Distributions(@30mv/s):
 faradaic(mAs) = 0.6138 (pseudo)capacitive(mAs) = 1.3703
 faradaic = 30.9351% (pseudo)capacitive = 69.0649%

Current Distributions(@20mv/s):
 faradaic(mA) = 0.0427 capacitive(mA) = 0.0575 pseudocapacitive(mA) = 0.0050
 Charge Distributions(@20mv/s):
 faradaic(mAs) = 0.8535 capacitive(mAs) = 1.1493 pseudocapacitive(mAs) = 0.0996
 faradaic = 40.5964% capacitive = 54.6655% pseudocapacitive = 4.7381%

Current Distributions(@20mv/s):
 faradaic(mA) = 0.0375 (pseudo)capacitive(mA) = 0.0684
 Charge Distributions(@20mv/s):
 faradaic(mAs) = 0.7495 (pseudo)capacitive(mAs) = 1.3662
 faradaic = 35.4247% (pseudo)capacitive = 64.5753%

Current Distributions(@10mv/s):
 faradaic(mA) = 0.0302 capacitive(mA) = 0.0287 pseudocapacitive(mA) = 0.0018
 Charge Distributions(@10mv/s):
 faradaic(mAs) = 1.2070 capacitive(mAs) = 1.1493 pseudocapacitive(mAs) = 0.0704
 faradaic = 49.7384% capacitive = 47.3591% pseudocapacitive = 2.9025%

Current Distributions(@10mv/s):
 faradaic(mA) = 0.0265 (pseudo)capacitive(mA) = 0.0342
 Charge Distributions(@10mv/s):
 faradaic(mAs) = 1.0599 (pseudo)capacitive(mAs) = 1.3662
 faradaic = 43.6876% (pseudo)capacitive = 56.3124%

Current Distributions(@7mv/s):
 faradaic(mA) = 0.0253 capacitive(mA) = 0.0201 pseudocapacitive(mA) = 0.0010
 Charge Distributions(@7mv/s):
 faradaic(mAs) = 1.4419 capacitive(mAs) = 1.1487 pseudocapacitive(mAs) = 0.0589
 faradaic = 54.4222% capacitive = 43.3547% pseudocapacitive = 2.2231%

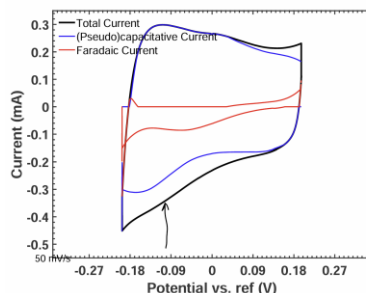
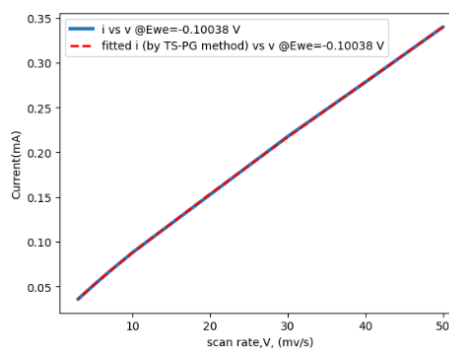
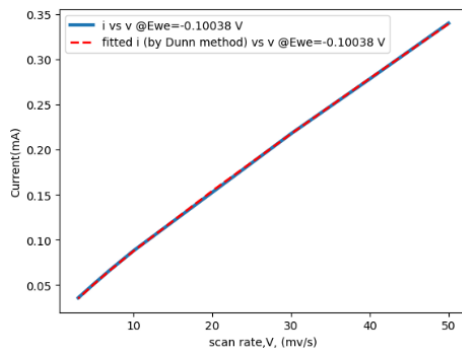
Current Distributions(@7mv/s):
 faradaic(mA) = 0.0222 (pseudo)capacitive(mA) = 0.0239
 Charge Distributions(@7mv/s):
 faradaic(mAs) = 1.2662 (pseudo)capacitive(mAs) = 1.3655
 faradaic = 48.1131% (pseudo)capacitive = 51.8869%

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0213 capacitive(mA) = 0.0144 pseudocapacitive(mA) = 0.0006
 Charge Distributions(@5mv/s):
 faradaic(mAs) = 1.7057 capacitive(mAs) = 1.1484 pseudocapacitive(mAs) = 0.0498
 faradaic = 58.7386% capacitive = 39.5475% pseudocapacitive = 1.7139%

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0187 (pseudo)capacitive(mA) = 0.0171
 Charge Distributions(@5mv/s):
 faradaic(mAs) = 1.4978 (pseudo)capacitive(mAs) = 1.3652
 faradaic = 52.3164% (pseudo)capacitive = 47.6836%

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0165 capacitive(mA) = 0.0086 pseudocapacitive(mA) = 0.0003
 Charge Distributions(@3mv/s):
 faradaic(mAs) = 2.2014 capacitive(mAs) = 1.1481 pseudocapacitive(mAs) = 0.0385
 faradaic = 64.9761% capacitive = 33.8864% pseudocapacitive = 1.1375%

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0145 (pseudo)capacitive(mA) = 0.0103
 Charge Distributions(@3mv/s):
 faradaic(mAs) = 1.9332 (pseudo)capacitive(mAs) = 1.3648
 faradaic = 58.6166% (pseudo)capacitive = 41.3834%



TS-PG Method @E=0.10038 V:

Fitted parameters:

a = 0.0029 b = 0.0036 c = 0.0001

R-squared: 0.9999

Dunn Method @E=0.10038 V:

Fitted parameters:

a = 0.0017 b = 0.0042

R-squared: 0.9999

Current Distributions(@50mv/s):
 faradaic(mA) = 0.0204 capacitive(mA) = 0.1815 pseudocapacitive(mA) = 0.0197
 Charge Distributions(@50mv/s):
 faradaic(mAs) = 0.0411 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0398
 faradaic = 9.2023% capacitive = 81.8941% pseudocapacitive = 8.9037%

Current Distributions(@50mv/s):
 faradaic(mA) = 0.0122 (pseudo)capacitive(mA) = 0.2087
 Charge Distributions(@50mv/s):
 faradaic(mAs) = 0.0245 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 5.5038% (pseudo)capacitive = 94.4962%

Current Distributions(@40mv/s):
 faradaic(mA) = 0.0182 capacitive(mA) = 0.1452 pseudocapacitive(mA) = 0.0141
 Charge Distributions(@40mv/s):
 faradaic(mAs) = 0.0460 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0356
 faradaic = 10.2734% capacitive = 81.7745% pseudocapacitive = 7.9521%

Current Distributions(@40mv/s):
 faradaic(mA) = 0.0109 (pseudo)capacitive(mA) = 0.1670
 Charge Distributions(@40mv/s):
 faradaic(mAs) = 0.0274 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 6.1137% (pseudo)capacitive = 93.8863%

Current Distributions(@30mv/s):
 faradaic(mA) = 0.0158 capacitive(mA) = 0.1089 pseudocapacitive(mA) = 0.0092
 Charge Distributions(@30mv/s):
 faradaic(mAs) = 0.0531 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0308
 faradaic = 11.8009% capacitive = 81.3483% pseudocapacitive = 6.8508%

Current Distributions(@30mv/s):
 faradaic(mA) = 0.0094 (pseudo)capacitive(mA) = 0.1252
 Charge Distributions(@30mv/s):
 faradaic(mAs) = 0.0316 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 6.9934% (pseudo)capacitive = 93.0066%

Current Distributions(@20mv/s):
 faradaic(mA) = 0.0129 capacitive(mA) = 0.0726 pseudocapacitive(mA) = 0.0050
 Charge Distributions(@20mv/s):
 faradaic(mAs) = 0.0650 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0252
 faradaic = 14.2542% capacitive = 80.2291% pseudocapacitive = 5.5167%

Current Distributions(@20mv/s):
 faradaic(mA) = 0.0077 (pseudo)capacitive(mA) = 0.0835
 Charge Distributions(@20mv/s):
 faradaic(mAs) = 0.0387 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 8.4325% (pseudo)capacitive = 91.5675%

Current Distributions(@10mv/s):
 faradaic(mA) = 0.0091 capacitive(mA) = 0.0363 pseudocapacitive(mA) = 0.0018
 Charge Distributions(@10mv/s):
 faradaic(mAs) = 0.0919 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0178
 faradaic = 19.3296% capacitive = 76.9299% pseudocapacitive = 3.7405%

Current Distributions(@10mv/s):
 faradaic(mA) = 0.0054 (pseudo)capacitive(mA) = 0.0417
 Charge Distributions(@10mv/s):
 faradaic(mAs) = 0.0548 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 11.5229% (pseudo)capacitive = 88.4771%

Current Distributions(@7mv/s):
 faradaic(mA) = 0.0076 capacitive(mA) = 0.0254 pseudocapacitive(mA) = 0.0010
 Charge Distributions(@7mv/s):
 faradaic(mAs) = 0.1099 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0149
 faradaic = 22.3950% capacitive = 74.5715% pseudocapacitive = 3.0336%

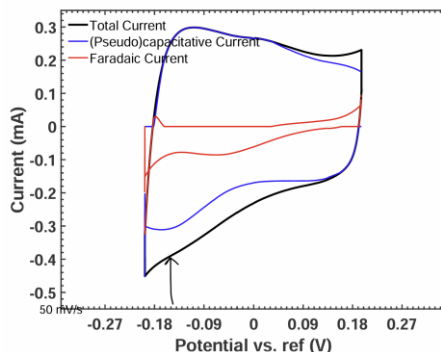
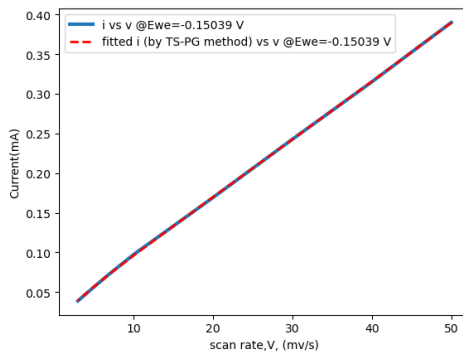
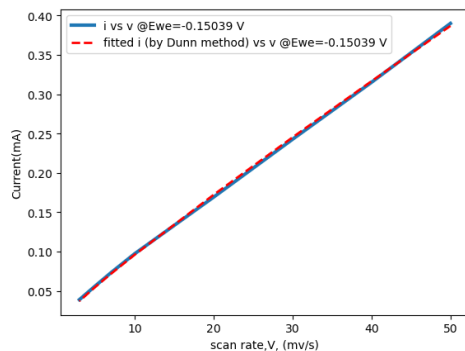
Current Distributions(@7mv/s):
 faradaic(mA) = 0.0045 (pseudo)capacitive(mA) = 0.0292
 Charge Distributions(@7mv/s):
 faradaic(mAs) = 0.0655 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 13.4695% (pseudo)capacitive = 86.5305%

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0065 capacitive(mA) = 0.0182 pseudocapacitive(mA) = 0.0006
 Charge Distributions(@5mv/s):
 faradaic(mAs) = 0.1300 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0126
 faradaic = 25.5691% capacitive = 71.9570% pseudocapacitive = 2.4739%

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0038 (pseudo)capacitive(mA) = 0.0209
 Charge Distributions(@5mv/s):
 faradaic(mAs) = 0.0775 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 15.5535% (pseudo)capacitive = 84.4465%

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0050 capacitive(mA) = 0.0109 pseudocapacitive(mA) = 0.0003
 Charge Distributions(@3mv/s):
 faradaic(mAs) = 0.1678 capacitive(mAs) = 0.3658 pseudocapacitive(mAs) = 0.0097
 faradaic = 30.8838% capacitive = 67.3232% pseudocapacitive = 1.7929%

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0030 (pseudo)capacitive(mA) = 0.0125
 Charge Distributions(@3mv/s):
 faradaic(mAs) = 0.1000 (pseudo)capacitive(mAs) = 0.4206
 faradaic = 19.2101% (pseudo)capacitive = 80.7899%



TS-PG Method @E=-0.15039 V:
Fitted parameters:
a = 0.0148 b = 0.0043 c = 0.0002
R-squared: 1.0000

Dunn Method @E=-0.15039 V:
Fitted parameters:
a = 0.0106 b = 0.0062
R-squared: 0.9997

Current Distributions(@50mv/s):
faradaic(mA) = 0.1049 capacitive(mA) = 0.2136 pseudocapacitive(mA) = 0.0711
Charge Distributions(@50mv/s):
faradaic(mAs) = 1.1534 capacitive(mAs) = 2.3476 pseudocapacitive(mAs) = 0.7817
faradaic = 26.9322% capacitive = 54.8152% pseudocapacitive = 18.2527%

Current Distributions(@50mv/s):
faradaic(mA) = 0.0752 (pseudo)capacitive(mA) = 0.3115
Charge Distributions(@50mv/s):
faradaic(mAs) = 0.8270 (pseudo)capacitive(mAs) = 3.4245
faradaic = 19.4520% (pseudo)capacitive = 80.5480%

Current Distributions(@40mv/s):
faradaic(mA) = 0.0939 capacitive(mA) = 0.1708 pseudocapacitive(mA) = 0.0509
Charge Distributions(@40mv/s):
faradaic(mAs) = 1.2896 capacitive(mAs) = 2.3476 pseudocapacitive(mAs) = 0.6992
faradaic = 29.7388% capacitive = 54.1374% pseudocapacitive = 16.1238%

Current Distributions(@40mv/s):
faradaic(mA) = 0.0673 (pseudo)capacitive(mA) = 0.2492
Charge Distributions(@40mv/s):
faradaic(mAs) = 0.9246 (pseudo)capacitive(mAs) = 3.4244
faradaic = 21.2599% (pseudo)capacitive = 78.7401%

Current Distributions(@30mv/s):
faradaic(mA) = 0.0813 capacitive(mA) = 0.1281 pseudocapacitive(mA) = 0.0331
Charge Distributions(@30mv/s):
faradaic(mAs) = 1.4939 capacitive(mAs) = 2.3552 pseudocapacitive(mAs) = 0.6075
faradaic = 33.5213% capacitive = 52.8477% pseudocapacitive = 13.6310%

Current Distributions(@30mv/s):
faradaic(mA) = 0.0583 (pseudo)capacitive(mA) = 0.1869
Charge Distributions(@30mv/s):
faradaic(mAs) = 1.0711 (pseudo)capacitive(mAs) = 3.4356
faradaic = 23.7672% (pseudo)capacitive = 76.2328%

Current Distributions(@20mv/s):
faradaic(mA) = 0.0664 capacitive(mA) = 0.0854 pseudocapacitive(mA) = 0.0180
Charge Distributions(@20mv/s):
faradaic(mAs) = 1.8277 capacitive(mAs) = 2.3527 pseudocapacitive(mAs) = 0.4955
faradaic = 39.0880% capacitive = 50.3156% pseudocapacitive = 10.5964%

Current Distributions(@20mv/s):
faradaic(mA) = 0.0476 (pseudo)capacitive(mA) = 0.1246
Charge Distributions(@20mv/s):
faradaic(mAs) = 1.3104 (pseudo)capacitive(mAs) = 3.4319
faradaic = 27.6327% (pseudo)capacitive = 72.3673%

Current Distributions(@10mv/s):
faradaic(mA) = 0.0469 capacitive(mA) = 0.0427 pseudocapacitive(mA) = 0.0064
Charge Distributions(@10mv/s):
faradaic(mAs) = 2.5819 capacitive(mAs) = 2.3501 pseudocapacitive(mAs) = 0.3500
faradaic = 48.8815% capacitive = 44.4928% pseudocapacitive = 6.6257%

Current Distributions(@10mv/s):
faradaic(mA) = 0.0336 (pseudo)capacitive(mA) = 0.0623
Charge Distributions(@10mv/s):
faradaic(mAs) = 1.8512 (pseudo)capacitive(mAs) = 3.4281
faradaic = 35.0650% (pseudo)capacitive = 64.9350%

Current Distributions(@7mv/s):
faradaic(mA) = 0.0393 capacitive(mA) = 0.0299 pseudocapacitive(mA) = 0.0037
Charge Distributions(@7mv/s):
faradaic(mAs) = 3.0848 capacitive(mAs) = 2.3492 pseudocapacitive(mAs) = 0.2927
faradaic = 53.8670% capacitive = 41.0220% pseudocapacitive = 5.1110%

Current Distributions(@7mv/s):
faradaic(mA) = 0.0281 (pseudo)capacitive(mA) = 0.0436
Charge Distributions(@7mv/s):
faradaic(mAs) = 2.2118 (pseudo)capacitive(mAs) = 3.4269
faradaic = 39.2255% (pseudo)capacitive = 60.7745%

Current Distributions(@5mv/s):
faradaic(mA) = 0.0332 capacitive(mA) = 0.0214 pseudocapacitive(mA) = 0.0022
Charge Distributions(@5mv/s):
faradaic(mAs) = 3.6494 capacitive(mAs) = 2.3488 pseudocapacitive(mAs) = 0.2473
faradaic = 58.4319% capacitive = 37.6080% pseudocapacitive = 3.9601%

Current Distributions(@5mv/s):
faradaic(mA) = 0.0238 (pseudo)capacitive(mA) = 0.0312
Charge Distributions(@5mv/s):
faradaic(mAs) = 2.6165 (pseudo)capacitive(mAs) = 3.4262
faradaic = 43.3003% (pseudo)capacitive = 56.6997%

Current Distributions(@3mv/s):
faradaic(mA) = 0.0257 capacitive(mA) = 0.0128 pseudocapacitive(mA) = 0.0010
Charge Distributions(@3mv/s):
faradaic(mAs) = 4.7104 capacitive(mAs) = 2.3484 pseudocapacitive(mAs) = 0.1915
faradaic = 64.9684% capacitive = 32.3897% pseudocapacitive = 2.6419%

Current Distributions(@3mv/s):
faradaic(mA) = 0.0184 (pseudo)capacitive(mA) = 0.0187
Charge Distributions(@3mv/s):
faradaic(mAs) = 3.3773 (pseudo)capacitive(mAs) = 3.4256
faradaic = 49.6451% (pseudo)capacitive = 50.3549%