28.06

ST ST\_conf

Negative electrode thickness [m] 8.663860e-04 7.073999e-04

Positive electrode thickness [m] 4.389023e-02 1.179048e-02

Separator thickness [m] 8.765705e-05 2.584755e-05

Negative electrode active material volume fraction 1.282507e-03 6.008088e-04

Positive electrode active material volume fraction 1.413407e-01 3.922141e-02

Negative particle radius [m] 1.150146e-02 4.525616e-03

Positive particle radius [m] 2.512774e-01 6.929873e-02

Initial concentration in electrolyte [mol.m-3] 3.188204e-03 8.798744e-04

Negative electrode conductivity [S.m-1] 6.857058e-09 2.179162e-09

Positive electrode conductivity [S.m-1] 1.990106e-06 5.930112e-07

Negative electrode Bruggeman coefficient (elect... 4.417334e-10 1.501782e-10

Positive electrode Bruggeman coefficient (elect... 9.829652e-07 3.548700e-07

Separator Bruggeman coefficient (electrolyte) 9.863387e-20 1.500740e-19

Maximum concentration in negative electrode [mo... 3.760741e-02 1.403980e-02

Maximum concentration in positive electrode [mo... 1.098035e-01 2.528827e-02

Electrode height [m] 3.192459e-01 6.577987e-02

Electrode width [m] 1.000122e-01 2.651949e-02

S1 S1\_conf

Negative electrode thickness [m] -2.570236e-03 7.198046e-03

Positive electrode thickness [m] 4.865323e-02 4.393411e-02

Separator thickness [m] -5.602371e-04 1.986328e-03

Negative electrode active material volume fraction -3.448668e-04 1.039920e-02

Positive electrode active material volume fraction 1.514643e-01 9.047327e-02

Negative particle radius [m] 1.557490e-02 2.408439e-02

Positive particle radius [m] 2.432822e-01 1.070875e-01

Initial concentration in electrolyte [mol.m-3] -3.146097e-03 1.437569e-02

Negative electrode conductivity [S.m-1] -2.163959e-07 1.902564e-05

Positive electrode conductivity [S.m-1] 7.397510e-05 3.140152e-04

Negative electrode Bruggeman coefficient (elect... -2.218569e-06 5.725398e-06

Positive electrode Bruggeman coefficient (elect... -2.418636e-05 2.068463e-04

Separator Bruggeman coefficient (electrolyte) 6.244963e-11 8.568903e-11

Maximum concentration in negative electrode [mo... 4.149901e-02 6.456950e-02

Maximum concentration in positive electrode [mo... 1.104834e-01 1.019913e-01

Electrode height [m] 3.198237e-01 1.320328e-01

Electrode width [m] 8.939677e-02 7.173272e-02

S2 S2\_conf

(Negative electrode thickness [m], Positive ele... 0.003817 0.009994

(Negative electrode thickness [m], Separator th... 0.003718 0.009878

(Negative electrode thickness [m], Negative ele... 0.003399 0.009763

(Negative electrode thickness [m], Positive ele... 0.003462 0.010120

(Negative electrode thickness [m], Negative par... 0.003644 0.010054

... ... ...

(Maximum concentration in negative electrode [m... -0.021777 0.090856

(Maximum concentration in negative electrode [m... -0.002763 0.064483

(Maximum concentration in positive electrode [m... -0.007330 0.141668

(Maximum concentration in positive electrode [m... -0.004748 0.138189

(Electrode height [m], Electrode width [m]) 0.004980 0.220767

[136 rows x 2 columns]

图表, 直方图

描述已自动生成

Default v-1

ST ST\_conf

Negative electrode thickness [m] 6.774056e-04 3.487158e-04

Positive electrode thickness [m] 4.065260e-02 9.468496e-03

Separator thickness [m] 7.175891e-04 1.919835e-04

Negative electrode active material volume fraction 1.041689e-03 4.273668e-04

Positive electrode active material volume fraction 1.428044e-01 3.871052e-02

Negative particle radius [m] 1.187314e-02 5.445532e-03

Positive particle radius [m] 2.670839e-01 6.128124e-02

Initial concentration in electrolyte [mol.m-3] 3.356542e-03 8.997356e-04

Negative electrode conductivity [S.m-1] 7.879667e-09 2.516984e-09

Positive electrode conductivity [S.m-1] 2.128747e-06 5.463717e-07

Negative electrode Bruggeman coefficient (elect... 4.494040e-10 1.447247e-10

Positive electrode Bruggeman coefficient (elect... 1.134356e-06 3.947658e-07

Separator Bruggeman coefficient (electrolyte) 7.054417e-05 1.727325e-05

Maximum concentration in negative electrode [mo... 4.119192e-02 1.517604e-02

Maximum concentration in positive electrode [mo... 1.240590e-01 3.604122e-02

Electrode height [m] 3.243738e-01 7.490251e-02

Electrode width [m] 9.872518e-02 2.447771e-02

Negative electrode double-layer capacity [F.m-2] 1.485852e-15 2.705857e-15

Positive electrode double-layer capacity [F.m-2] 1.353126e-20 4.936126e-21

Negative electrode porosity 3.186361e-03 1.031363e-03

Positive electrode porosity 4.035334e-03 1.144547e-03

S1 S1\_conf

Negative electrode thickness [m] -1.541572e-03 5.612462e-03

Positive electrode thickness [m] 4.638618e-02 4.641769e-02

Separator thickness [m] 2.848935e-03 5.915658e-03

Negative electrode active material volume fraction -3.941810e-04 7.470448e-03

Positive electrode active material volume fraction 1.431943e-01 8.502063e-02

Negative particle radius [m] 1.051099e-02 2.031938e-02

Positive particle radius [m] 2.609700e-01 1.121721e-01

Initial concentration in electrolyte [mol.m-3] 3.978425e-03 1.258703e-02

Negative electrode conductivity [S.m-1] -5.398450e-06 2.598417e-05

Positive electrode conductivity [S.m-1] 5.571450e-05 3.602175e-04

Negative electrode Bruggeman coefficient (elect... -2.107309e-07 5.329498e-06

Positive electrode Bruggeman coefficient (elect... 8.279213e-05 2.669595e-04

Separator Bruggeman coefficient (electrolyte) 3.983003e-04 2.191209e-03

Maximum concentration in negative electrode [mo... 1.940033e-03 4.803913e-02

Maximum concentration in positive electrode [mo... 1.166221e-01 9.253374e-02

Electrode height [m] 3.056501e-01 1.018259e-01

Electrode width [m] 1.078137e-01 7.016428e-02

Negative electrode double-layer capacity [F.m-2] -8.059661e-09 1.468357e-08

Positive electrode double-layer capacity [F.m-2] 1.622511e-11 3.160287e-11

Negative electrode porosity 1.387334e-03 1.236970e-02

Positive electrode porosity 5.872590e-03 1.369430e-02

S2 S2\_conf

(Negative electrode thickness [m], Positive ele... 2.328449e-03 8.770039e-03

(Negative electrode thickness [m], Separator th... 2.218876e-03 9.140836e-03

(Negative electrode thickness [m], Negative ele... 2.088907e-03 9.075509e-03

(Negative electrode thickness [m], Positive ele... 1.013291e-03 1.061830e-02

(Negative electrode thickness [m], Negative par... 3.248189e-03 9.507119e-03

... ... ...

(Negative electrode double-layer capacity [F.m-... -2.890840e-09 3.081550e-08

(Negative electrode double-layer capacity [F.m-... -2.592316e-09 3.024212e-08

(Positive electrode double-layer capacity [F.m-... -3.129727e-11 4.601204e-11

(Positive electrode double-layer capacity [F.m-... -2.667900e-12 6.767766e-11

(Negative electrode porosity, Positive electrod... 1.625650e-05 1.815802e-02

[210 rows x 2 columns]

图表

描述已自动生成

Default v0

ST ST\_conf

Negative electrode thickness [m] 1.991926e-04 6.804442e-05

Positive electrode thickness [m] 1.988830e-02 5.257638e-03

Separator thickness [m] 3.926969e-04 1.142991e-04

Negative electrode active material volume fraction 2.163908e-04 6.792576e-05

Positive electrode active material volume fraction 7.288725e-02 2.019399e-02

Negative particle radius [m] 4.985949e-03 1.536351e-03

Positive particle radius [m] 2.658246e-01 6.300822e-02

Initial concentration in electrolyte [mol.m-3] 6.637238e-03 1.582840e-03

Negative electrode conductivity [S.m-1] 2.205330e-08 6.734070e-09

Positive electrode conductivity [S.m-1] 4.872685e-06 1.402559e-06

Negative electrode Bruggeman coefficient (elect... 1.359357e-09 4.440587e-10

Positive electrode Bruggeman coefficient (elect... 2.596982e-06 1.007656e-06

Separator Bruggeman coefficient (electrolyte) 4.420489e-05 1.183558e-05

Maximum concentration in negative electrode [mo... 6.593747e-03 2.693454e-03

Maximum concentration in positive electrode [mo... 4.207440e-01 1.029908e-01

Electrode height [m] 1.635132e-01 3.838382e-02

Electrode width [m] 4.635704e-02 1.178300e-02

Negative electrode double-layer capacity [F.m-2] 0.000000e+00 0.000000e+00

Positive electrode double-layer capacity [F.m-2] 0.000000e+00 0.000000e+00

Negative electrode porosity 1.547292e-03 4.687235e-04

Positive electrode porosity 1.550087e-03 4.433741e-04

S1 S1\_conf

Negative electrode thickness [m] 1.300819e-03 0.003281

Positive electrode thickness [m] 2.325273e-02 0.035848

Separator thickness [m] 8.262727e-04 0.004125

Negative electrode active material volume fraction -6.828106e-04 0.003610

Positive electrode active material volume fraction 7.201940e-02 0.069840

Negative particle radius [m] 4.450975e-03 0.019378

Positive particle radius [m] 2.728263e-01 0.110719

Initial concentration in electrolyte [mol.m-3] 5.558746e-03 0.021213

Negative electrode conductivity [S.m-1] -2.006735e-05 0.000039

Positive electrode conductivity [S.m-1] 8.179323e-05 0.000487

Negative electrode Bruggeman coefficient (elect... 7.087154e-07 0.000009

Positive electrode Bruggeman coefficient (elect... 8.031761e-05 0.000363

Separator Bruggeman coefficient (electrolyte) 2.455131e-04 0.001949

Maximum concentration in negative electrode [mo... 1.880651e-03 0.016885

Maximum concentration in positive electrode [mo... 4.174108e-01 0.146140

Electrode height [m] 1.532447e-01 0.082113

Electrode width [m] 5.071961e-02 0.049541

Negative electrode double-layer capacity [F.m-2] 0.000000e+00 0.000000

Positive electrode double-layer capacity [F.m-2] 0.000000e+00 0.000000

Negative electrode porosity 1.187444e-03 0.009075

Positive electrode porosity 2.238130e-03 0.009720

S2 S2\_conf

(Negative electrode thickness [m], Positive ele... -1.512187e-03 5.024458e-03

(Negative electrode thickness [m], Separator th... -1.484120e-03 4.874233e-03

(Negative electrode thickness [m], Negative ele... -1.515691e-03 4.878437e-03

(Negative electrode thickness [m], Positive ele... -1.347025e-03 4.895680e-03

(Negative electrode thickness [m], Negative par... -1.802039e-03 4.874827e-03

... ... ...

(Negative electrode double-layer capacity [F.m-... -7.806256e-18 8.843429e-18

(Negative electrode double-layer capacity [F.m-... -1.344411e-17 1.243541e-17

(Positive electrode double-layer capacity [F.m-... -7.806256e-18 8.843429e-18

(Positive electrode double-layer capacity [F.m-... -1.344411e-17 1.243541e-17

(Negative electrode porosity, Positive electrod... 2.850582e-04 1.326809e-02

[210 rows x 2 columns]

图表

描述已自动生成

Default v49

ST ST\_conf

Negative electrode thickness [m] 6.143920e-05 3.504363e-05

Positive electrode thickness [m] 3.535172e-02 8.602999e-03

Separator thickness [m] 7.967799e-04 2.146582e-04

Negative electrode active material volume fraction 2.523944e-04 1.057762e-04

Positive electrode active material volume fraction 1.242064e-01 3.032521e-02

Negative particle radius [m] 4.238133e-03 1.321627e-03

Positive particle radius [m] 3.148041e-01 6.940445e-02

Initial concentration in electrolyte [mol.m-3] 3.761724e-03 9.114075e-04

Negative electrode conductivity [S.m-1] 1.095212e-08 2.984992e-09

Positive electrode conductivity [S.m-1] 2.373498e-06 6.951019e-07

Negative electrode Bruggeman coefficient (elect... 6.610301e-10 1.957007e-10

Positive electrode Bruggeman coefficient (elect... 1.264398e-06 3.869753e-07

Separator Bruggeman coefficient (electrolyte) 7.784630e-05 1.975331e-05

Maximum concentration in negative electrode [mo... 5.166391e-03 2.407820e-03

Maximum concentration in positive electrode [mo... 1.995071e-01 5.340904e-02

Electrode height [m] 2.683879e-01 5.930583e-02

Electrode width [m] 7.920932e-02 2.163227e-02

Negative electrode double-layer capacity [F.m-2] 1.558310e-20 6.960234e-21

Positive electrode double-layer capacity [F.m-2] 1.299270e-20 6.410225e-21

Negative electrode porosity 2.612671e-03 7.774259e-04

Positive electrode porosity 4.431495e-03 9.914146e-04

S1 S1\_conf

Negative electrode thickness [m] 4.205805e-05 1.953544e-03

Positive electrode thickness [m] 4.242604e-02 5.168239e-02

Separator thickness [m] 2.870900e-03 5.983893e-03

Negative electrode active material volume fraction -6.485636e-04 4.649325e-03

Positive electrode active material volume fraction 1.288087e-01 7.205978e-02

Negative particle radius [m] 5.670295e-03 1.653458e-02

Positive particle radius [m] 3.093224e-01 1.296872e-01

Initial concentration in electrolyte [mol.m-3] 3.930923e-03 1.464451e-02

Negative electrode conductivity [S.m-1] -1.018448e-05 2.981974e-05

Positive electrode conductivity [S.m-1] 7.052344e-05 3.655086e-04

Negative electrode Bruggeman coefficient (elect... -2.934844e-07 7.125811e-06

Positive electrode Bruggeman coefficient (elect... 6.941168e-05 2.811805e-04

Separator Bruggeman coefficient (electrolyte) 4.415218e-04 2.484781e-03

Maximum concentration in negative electrode [mo... -3.195559e-03 1.851115e-02

Maximum concentration in positive electrode [mo... 1.953868e-01 1.142004e-01

Electrode height [m] 2.544461e-01 1.010615e-01

Electrode width [m] 8.587665e-02 7.253100e-02

Negative electrode double-layer capacity [F.m-2] -3.064844e-12 3.038453e-11

Positive electrode double-layer capacity [F.m-2] -1.579184e-11 2.802866e-11

Negative electrode porosity 1.363363e-03 1.199774e-02

Positive electrode porosity 6.012320e-03 1.609050e-02

S2 S2\_conf

(Negative electrode thickness [m], Positive ele... -6.252905e-04 2.783903e-03

(Negative electrode thickness [m], Separator th... -5.300932e-04 2.943085e-03

(Negative electrode thickness [m], Negative ele... -5.781960e-04 2.902170e-03

(Negative electrode thickness [m], Positive ele... -7.478041e-04 2.995403e-03

(Negative electrode thickness [m], Negative par... -5.521471e-04 2.850171e-03

... ... ...

(Negative electrode double-layer capacity [F.m-... 8.203066e-11 2.060635e-10

(Negative electrode double-layer capacity [F.m-... 2.396469e-10 5.415941e-10

(Positive electrode double-layer capacity [F.m-... -6.875395e-08 1.341495e-07

(Positive electrode double-layer capacity [F.m-... -6.722157e-08 1.314649e-07

(Negative electrode porosity, Positive electrod... 1.067836e-04 1.649576e-02

[210 rows x 2 columns]

图表

描述已自动生成

Default v24

ST ST\_conf

Negative electrode thickness [m] 3.263482e-05 1.326752e-05

Positive electrode thickness [m] 3.002884e-02 6.597240e-03

Separator thickness [m] 8.493507e-04 2.575358e-04

Negative electrode active material volume fraction 1.564573e-04 4.743793e-05

Positive electrode active material volume fraction 1.056166e-01 2.628003e-02

Negative particle radius [m] 3.437764e-03 8.520384e-04

Positive particle radius [m] 3.181873e-01 7.245573e-02

Initial concentration in electrolyte [mol.m-3] 4.463599e-03 1.262518e-03

Negative electrode conductivity [S.m-1] 1.411178e-08 3.549331e-09

Positive electrode conductivity [S.m-1] 2.765588e-06 8.735819e-07

Negative electrode Bruggeman coefficient (elect... 9.209166e-10 2.723730e-10

Positive electrode Bruggeman coefficient (elect... 1.474184e-06 5.832861e-07

Separator Bruggeman coefficient (electrolyte) 8.251544e-05 2.029021e-05

Maximum concentration in negative electrode [mo... 6.841392e-04 2.569847e-04

Maximum concentration in positive electrode [mo... 2.584406e-01 6.573546e-02

Electrode height [m] 2.373440e-01 5.398698e-02

Electrode width [m] 6.826551e-02 1.863081e-02

Negative electrode double-layer capacity [F.m-2] 4.269434e-11 8.357901e-11

Positive electrode double-layer capacity [F.m-2] 4.269428e-11 8.357888e-11

Negative electrode porosity 2.213131e-03 7.166611e-04

Positive electrode porosity 4.781454e-03 1.235369e-03

S1 S1\_conf

Negative electrode thickness [m] 0.000477 0.001107

Positive electrode thickness [m] 0.036858 0.042952

Separator thickness [m] 0.002710 0.006203

Negative electrode active material volume fraction -0.000540 0.003310

Positive electrode active material volume fraction 0.110548 0.081722

Negative particle radius [m] 0.003546 0.015281

Positive particle radius [m] 0.313655 0.126277

Initial concentration in electrolyte [mol.m-3] 0.004217 0.015561

Negative electrode conductivity [S.m-1] -0.000015 0.000034

Positive electrode conductivity [S.m-1] 0.000075 0.000440

Negative electrode Bruggeman coefficient (elect... -0.000002 0.000008

Positive electrode Bruggeman coefficient (elect... 0.000065 0.000290

Separator Bruggeman coefficient (electrolyte) 0.000402 0.002316

Maximum concentration in negative electrode [mo... -0.000652 0.006426

Maximum concentration in positive electrode [mo... 0.255521 0.113273

Electrode height [m] 0.225597 0.103188

Electrode width [m] 0.074252 0.058582

Negative electrode double-layer capacity [F.m-2] -0.000002 0.000003

Positive electrode double-layer capacity [F.m-2] -0.000002 0.000003

Negative electrode porosity 0.001547 0.010881

Positive electrode porosity 0.006251 0.015403

S2 S2\_conf

(Negative electrode thickness [m], Positive ele... -0.001015 0.001480

(Negative electrode thickness [m], Separator th... -0.000974 0.001451

(Negative electrode thickness [m], Negative ele... -0.000993 0.001440

(Negative electrode thickness [m], Positive ele... -0.000886 0.001483

(Negative electrode thickness [m], Negative par... -0.001052 0.001444

... ... ...

(Negative electrode double-layer capacity [F.m-... 0.000002 0.000003

(Negative electrode double-layer capacity [F.m-... 0.000002 0.000003

(Positive electrode double-layer capacity [F.m-... 0.000002 0.000003

(Positive electrode double-layer capacity [F.m-... 0.000002 0.000003

(Negative electrode porosity, Positive electrod... 0.000045 0.014536

[210 rows x 2 columns]

图表

描述已自动生成

Default v74

ST ST\_conf

Negative electrode thickness [m] 2.608621e-04 1.458557e-04

Positive electrode thickness [m] 3.902450e-02 1.012461e-02

Separator thickness [m] 7.482328e-04 2.421756e-04

Negative electrode active material volume fraction 5.568297e-04 2.835150e-04

Positive electrode active material volume fraction 1.367405e-01 3.950331e-02

Negative particle radius [m] 7.234137e-03 3.042977e-03

Positive particle radius [m] 2.943206e-01 6.969661e-02

Initial concentration in electrolyte [mol.m-3] 3.505228e-03 1.094956e-03

Negative electrode conductivity [S.m-1] 9.152565e-09 2.913140e-09

Positive electrode conductivity [S.m-1] 2.216435e-06 6.633689e-07

Negative electrode Bruggeman coefficient (elect... 5.339176e-10 1.733316e-10

Positive electrode Bruggeman coefficient (elect... 1.180837e-06 3.687602e-07

Separator Bruggeman coefficient (electrolyte) 7.334359e-05 2.096812e-05

Maximum concentration in negative electrode [mo... 1.881202e-02 9.386994e-03

Maximum concentration in positive electrode [mo... 1.577759e-01 4.584955e-02

Electrode height [m] 2.985515e-01 7.425974e-02

Electrode width [m] 8.995719e-02 2.313114e-02

Negative electrode double-layer capacity [F.m-2] 1.102634e-20 4.323009e-21

Positive electrode double-layer capacity [F.m-2] 2.244254e-20 2.302366e-20

Negative electrode porosity 2.951087e-03 1.007877e-03

Positive electrode porosity 4.195040e-03 1.376762e-03

S1 S1\_conf

Negative electrode thickness [m] -6.744517e-04 3.216434e-03

Positive electrode thickness [m] 4.570614e-02 4.203525e-02

Separator thickness [m] 2.916302e-03 5.405316e-03

Negative electrode active material volume fraction -4.584232e-04 6.458242e-03

Positive electrode active material volume fraction 1.393874e-01 8.689809e-02

Negative particle radius [m] 9.657117e-03 1.959569e-02

Positive particle radius [m] 2.886565e-01 1.226001e-01

Initial concentration in electrolyte [mol.m-3] 3.934716e-03 1.294603e-02

Negative electrode conductivity [S.m-1] -7.696190e-06 2.584226e-05

Positive electrode conductivity [S.m-1] 6.487769e-05 3.537072e-04

Negative electrode Bruggeman coefficient (elect... -4.153818e-07 5.226107e-06

Positive electrode Bruggeman coefficient (elect... 7.596736e-05 2.236432e-04

Separator Bruggeman coefficient (electrolyte) 4.375488e-04 2.164128e-03

Maximum concentration in negative electrode [mo... -2.603632e-03 3.449931e-02

Maximum concentration in positive electrode [mo... 1.524194e-01 8.459770e-02

Electrode height [m] 2.824359e-01 1.152756e-01

Electrode width [m] 9.743418e-02 7.674930e-02

Negative electrode double-layer capacity [F.m-2] 1.447187e-11 2.285482e-11

Positive electrode double-layer capacity [F.m-2] -8.360510e-12 3.394555e-11

Negative electrode porosity 1.129876e-03 1.347711e-02

Positive electrode porosity 5.886675e-03 1.513267e-02

S2 S2\_conf

(Negative electrode thickness [m], Positive ele... 5.098862e-04 4.602604e-03

(Negative electrode thickness [m], Separator th... 6.565860e-04 4.718497e-03

(Negative electrode thickness [m], Negative ele... 5.450709e-04 4.690790e-03

(Negative electrode thickness [m], Positive ele... -1.264427e-05 5.491631e-03

(Negative electrode thickness [m], Negative par... 8.320247e-04 4.617572e-03

... ... ...

(Negative electrode double-layer capacity [F.m-... -1.844614e-08 3.110441e-08

(Negative electrode double-layer capacity [F.m-... -1.801661e-08 3.037469e-08

(Positive electrode double-layer capacity [F.m-... 7.020960e-12 3.910665e-11

(Positive electrode double-layer capacity [F.m-... 7.319045e-12 3.926777e-11

(Negative electrode porosity, Positive electrod... 2.309562e-04 1.786784e-02

[210 rows x 2 columns]

图表

描述已自动生成