fun: 11192.793268002386

jac: array([ 2.43744580e-02, -5.45696821e-03, 2.54658517e-03, 3.13594519e+03])

message: 'Optimization terminated successfully'

nfev: 163 nit: 24 njev: 20 status: 0 success: True

x: array([1.43490024e-02, 3.33103092e-02, 2.55336435e-01, 2.95511352e-11])

used settings:

args2 = ('attempts', False)

x0\_attempts = [0.05, 0.05, 0.3, 0.1]

bnds = [(-0.5, 0.5), (-0.5, 0.5), (-6, 6),   (0, 0.99) ]

opt\_attempts = optimize.minimize(run\_model, x0\_attempts, args=args2, method='SLSQP', bounds=bnds, tol=None, callback=None, options={

                                       'disp':True, 'maxcor': 10, 'ftol': 2.220446049250313e-09, 'gtol': 1e-05, 'eps': 1e-12, 'maxfun': 1500000, 'maxiter': 15000, 'iprint': - 1, 'maxls': 20, 'finite\_diff\_rel\_step': None})

Maar eps was lager ( 1-e09 ) en maxfun was ongeveer 15000 eerst