

RESULTS

Cyclic co-ordinate algorithm

The optimal value of x using the cyclic coordinate algorithm with X criteria is **[-1.00, -1.01]** and functional criteria is **[-1.00, -1.02]**

and the optimal value of function using the cyclic coordinate algorithm with X criteria is **4.21e-08** and functional criteria is **3.89e-08**

Steepest descent algorithm

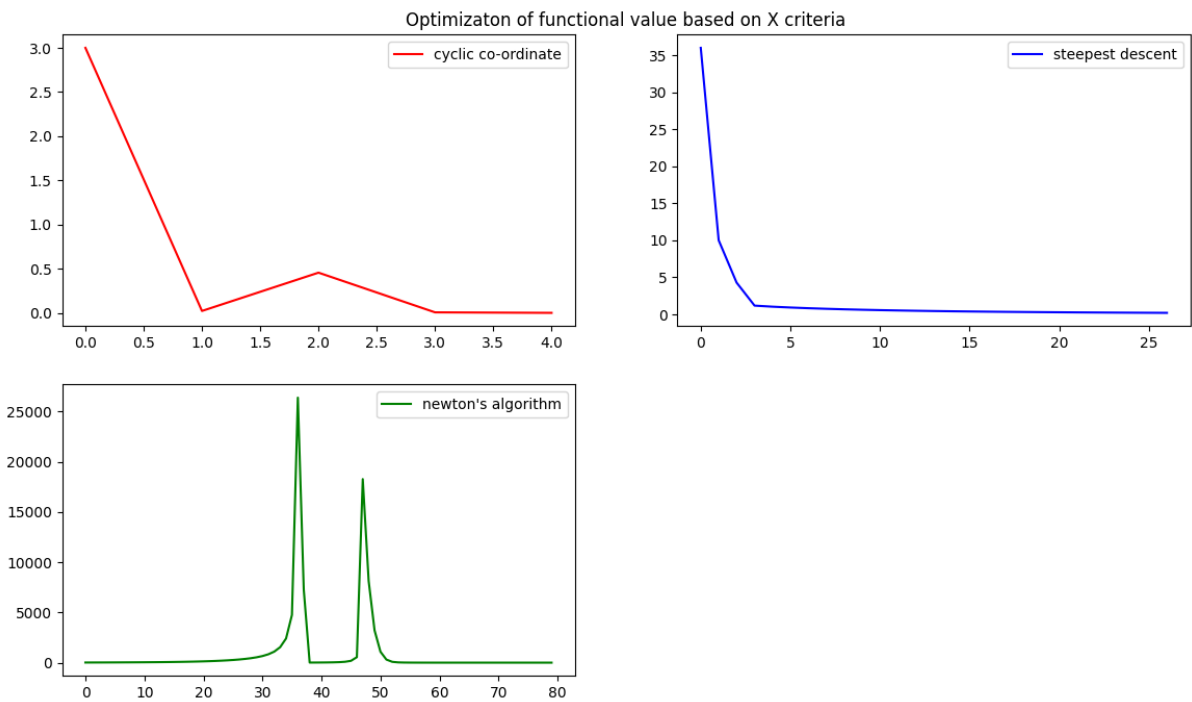
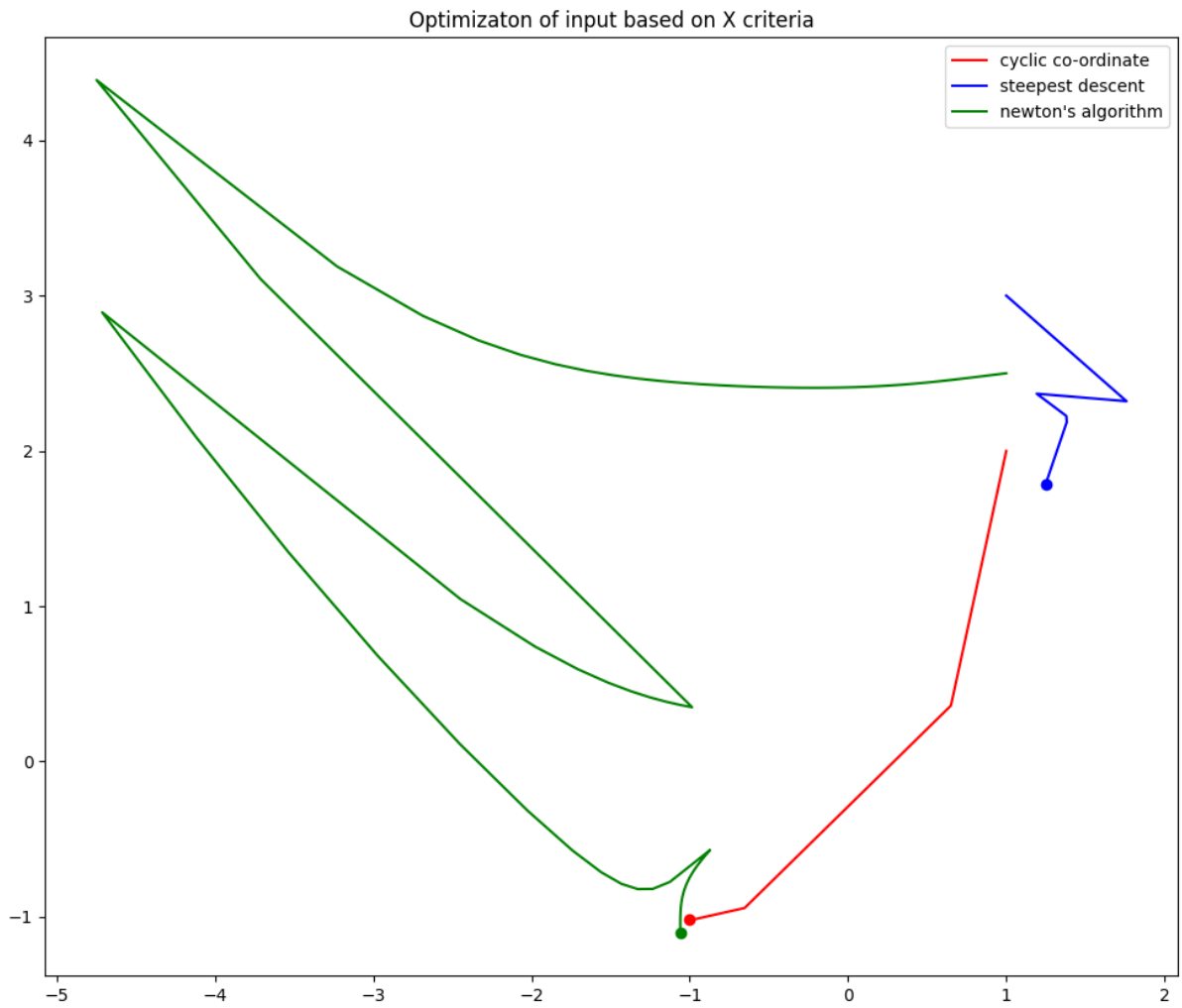
The optimal value of x using the steepest descent algorithm with X criteria is **[1.24, 1.78]** and functional criteria is **[1.05, 1.17]**

and the optimal value of function using the steepest descent algorithm with X criteria is **2e-01** and functional criteria is **3.67e-04**

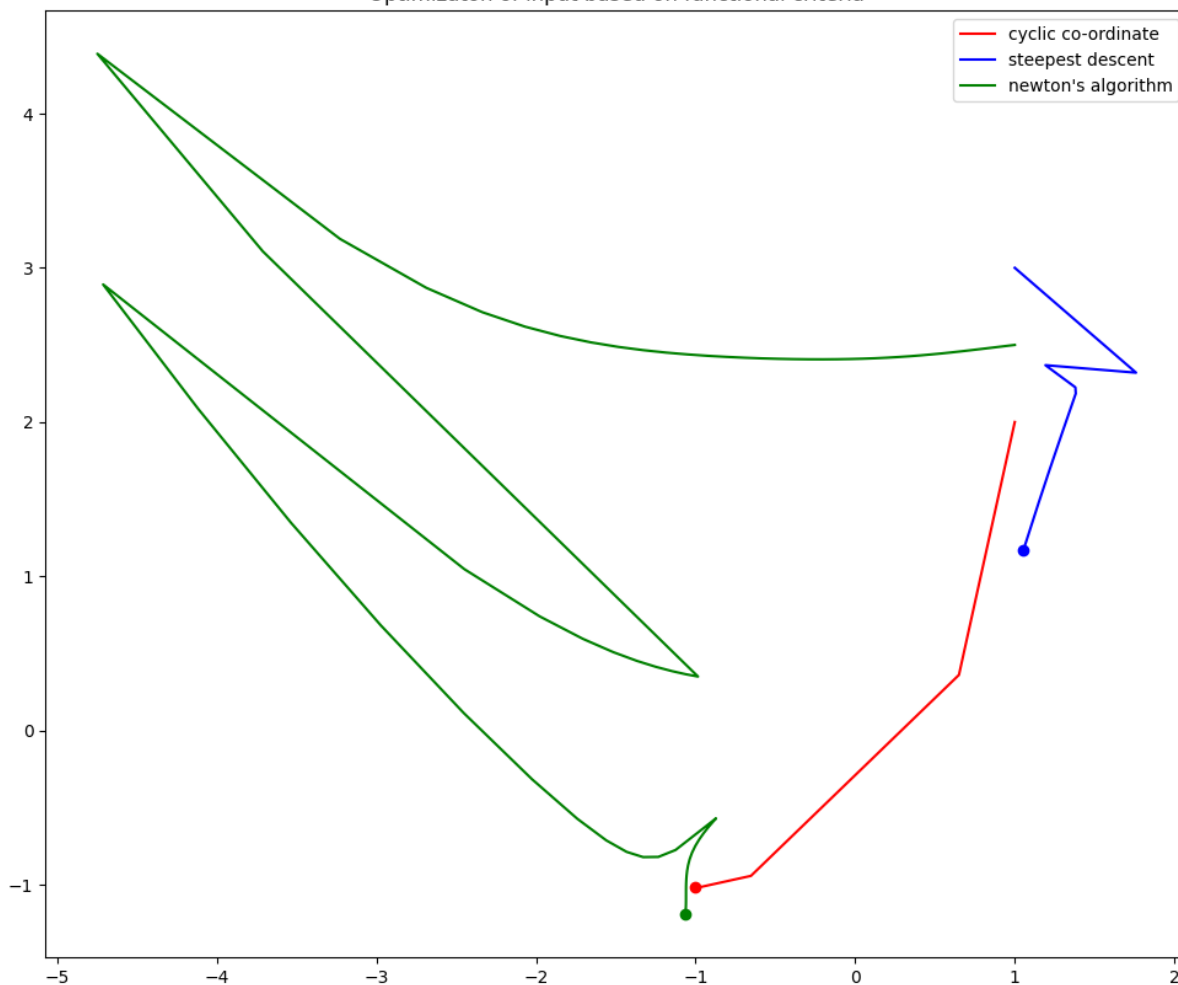
Newton's algorithm

The optimal value of x using the newton's algorithm with X criteria is **[-1.06, -1.10]** and functional criteria is **[-1.06, -1.19]**

and the optimal value of function using the newton's algorithm with X criteria is **9.43e-03** and functional criteria is **8.40e-04**



Optimizaton of input based on functional criteria



Optimizaton of functional value based on functional criteria

