Step[15]: x=[0.802786 0.633221] optim_fx=0.051535

Step[16]: x=[0.863491 0.741931] optim_fx=0.019993

Step[17]: x=[0.942079 0.881336] optim_fx=0.007169

Step[18]: x=[0.967992 0.936337] optim_fx=0.001070

Step[19]: x=[0.996210 0.991639] optim_fx=0.000078

Step[20]: x=[0.999479 0.998948] optim_fx=0.000000

Step[21]: x=[0.999999 0.999998] optim_fx=0.000000

Step[22]: x=[1.000000 1.000000] optim_fx=0.000000

牛顿 Armijo 回溯法,,共迭代 22 步

结果：

x=[1.000000e+00 1.000000e+00] optim_fx=0.000000