

heart

 $f(x^*)$
 10^8
 10^6
 10^4
 10^2

0

1

2

3

4

5

Number of oracle calls

1e6

- ZO-AccSGD: N = 10000; lr = 3.7438208042513985e-05, rho = 1, bs = 270, B = 10. delta = 0
- ZO-AccSGD: N = 10000; lr = 3.7438208042513985e-05, rho = 100, bs = 270, B = 10. delta = 0
- ZO-AccSGD: N = 10000; lr = 3.7438208042513985e-05, rho = 1, bs = 270, B = 10. delta = 0.1
- ZO-AccSGD: N = 10000; lr = 3.7438208042513985e-05, rho = 100, bs = 270, B = 10. delta = 0.1
- ZO-AccSGD: N = 10000; lr = 3.7438208042513985e-05, rho = 1, bs = 270, B = 10. delta = 0.01
- ZO-AccSGD: N = 10000; lr = 3.7438208042513985e-05, rho = 100, bs = 270, B = 10. delta = 0.01
- ZO-AccSGD: N = 10000; lr = 3.7438208042513987e-06, rho = 1, bs = 270, B = 10. delta = 0
- ZO-AccSGD: N = 10000; lr = 3.7438208042513987e-06, rho = 100, bs = 270, B = 10. delta = 0
- ZO-AccSGD: N = 10000; lr = 3.7438208042513987e-06, rho = 1, bs = 270, B = 10. delta = 0.1
- ZO-AccSGD: N = 10000; lr = 3.7438208042513987e-06, rho = 100, bs = 270, B = 10. delta = 0.1
- ZO-AccSGD: N = 10000; lr = 3.7438208042513987e-06, rho = 1, bs = 270, B = 10. delta = 0.01
- ZO-AccSGD: N = 10000; lr = 3.7438208042513987e-06, rho = 100, bs = 270, B = 10. delta = 0.01