

```
1 C:\Users\rosal\AppData\Local\Programs\Python\
  Python312\python.exe C:\Users\rosal\PycharmProjects\
  MATH6397\quadobj_deriv_check.py
2 -----
3 executing derivative check
4 -----
5 h          t1          t2          t3
6 -----
7 1.000000e+00 6.973075e+02 6.697516e+02 1.353672e+03
8 7.742637e-02 5.398999e+01 5.185643e+01 5.595643e+01
9 5.994843e-03 4.180248e+00 4.015055e+00 4.039634e+00
10 4.641589e-04 3.236615e-01 3.108712e-01 3.110185e-01
11 3.593814e-05 2.505993e-02 2.406962e-02 2.407051e-02
12 2.782559e-06 1.940299e-03 1.863624e-03 1.863629e-03
13 2.154435e-07 1.502303e-04 1.442936e-04 1.442936e-04
14 1.668101e-08 1.163179e-05 1.117213e-05 1.117213e-05
15 1.291550e-09 9.006071e-07 8.650176e-07 8.650176e-07
16 1.000000e-10 6.973073e-08 6.697519e-08 6.697519e-08
17 -----
18
19 Process finished with exit code 0
20
```