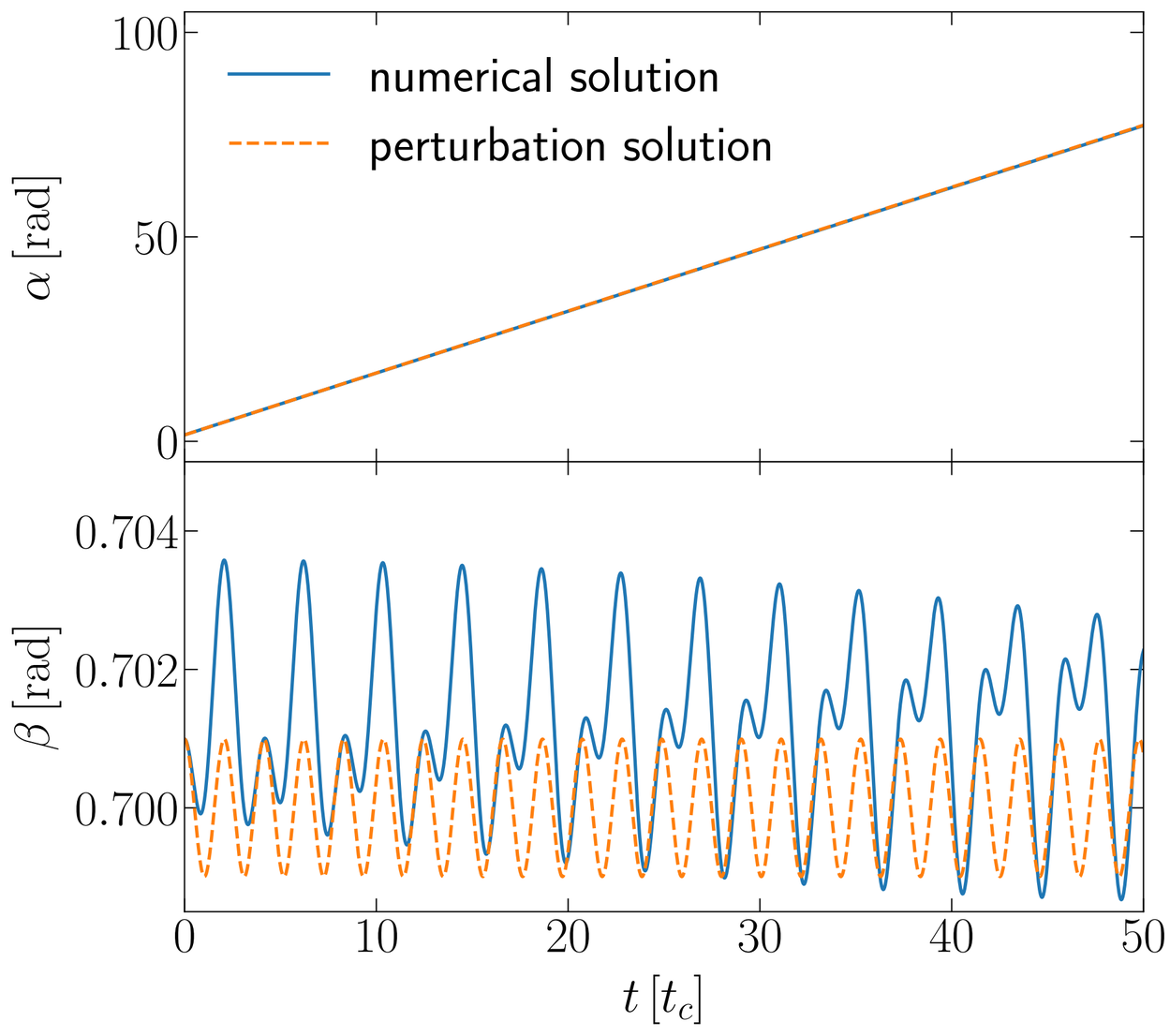
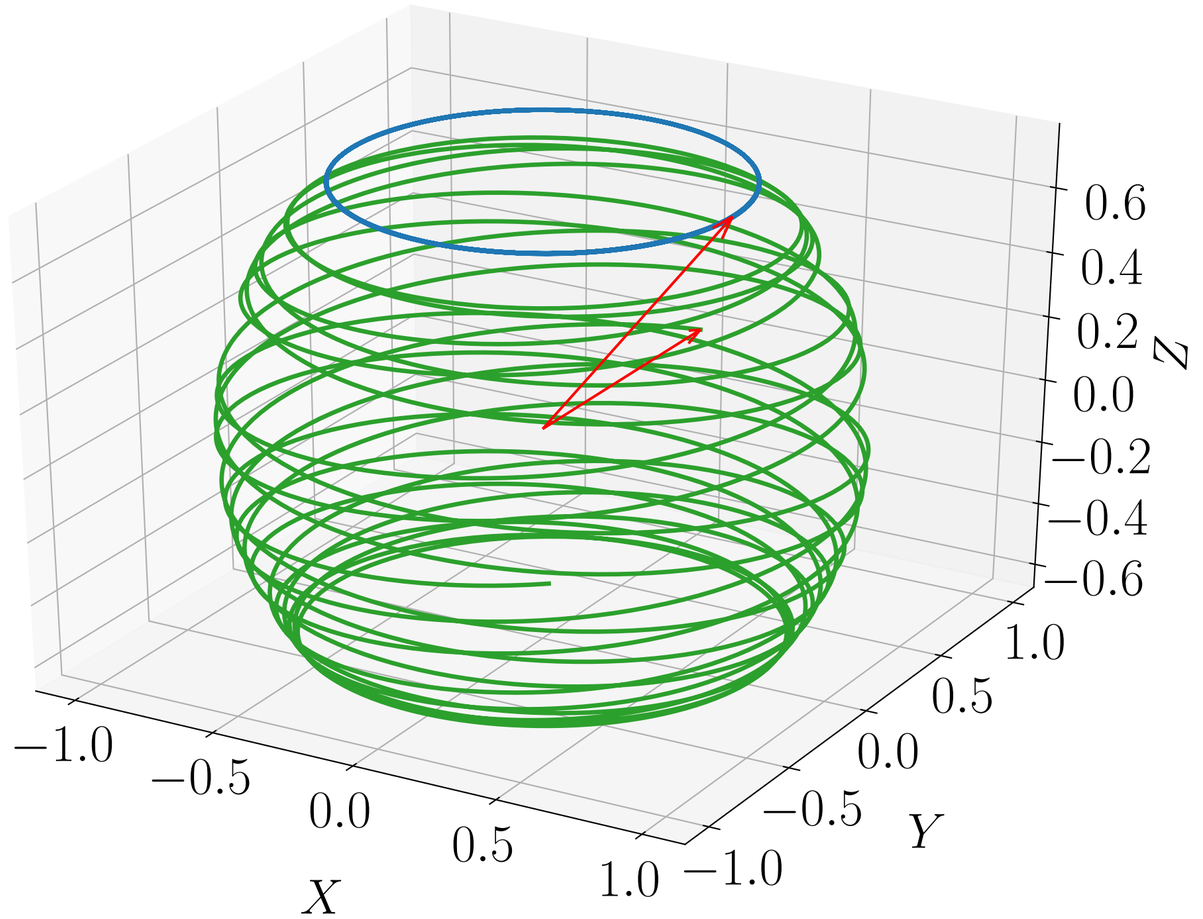

numerical solution
perturbation solution
α [rad]
β [rad]
t [t_c]
100
50
0
0.704
0.702
0.700
0
10
20
30
40
50


X
Y
Z
−1.0
−0.5
0.0
0.5
1.0
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6