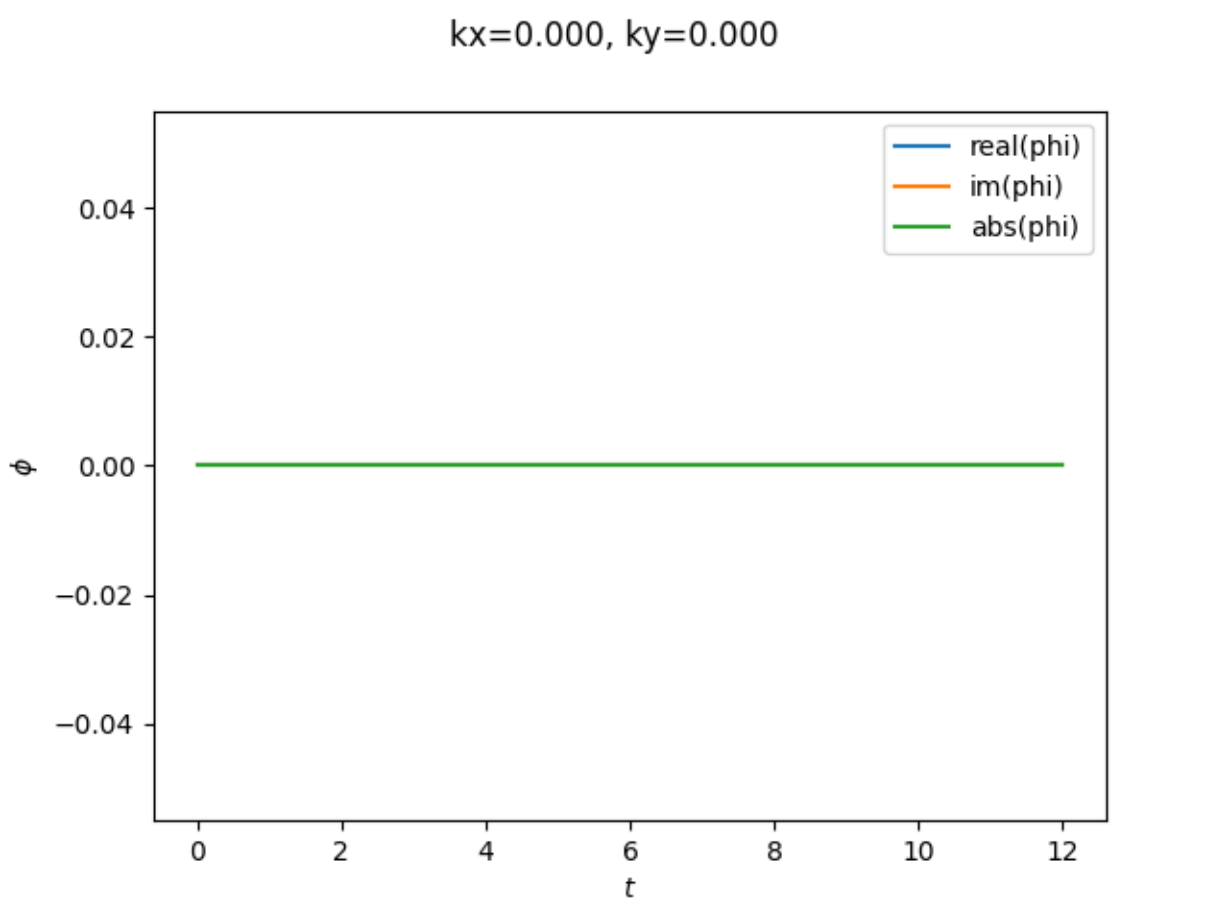
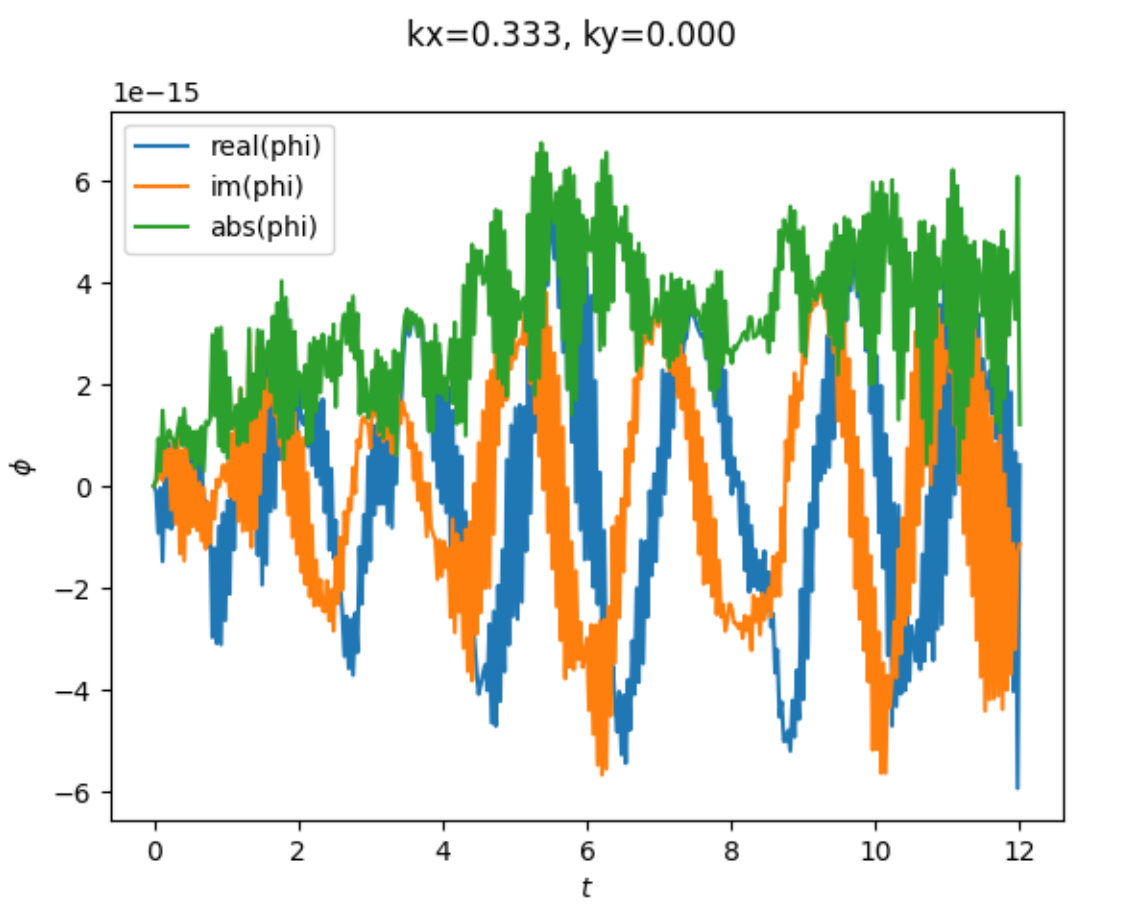
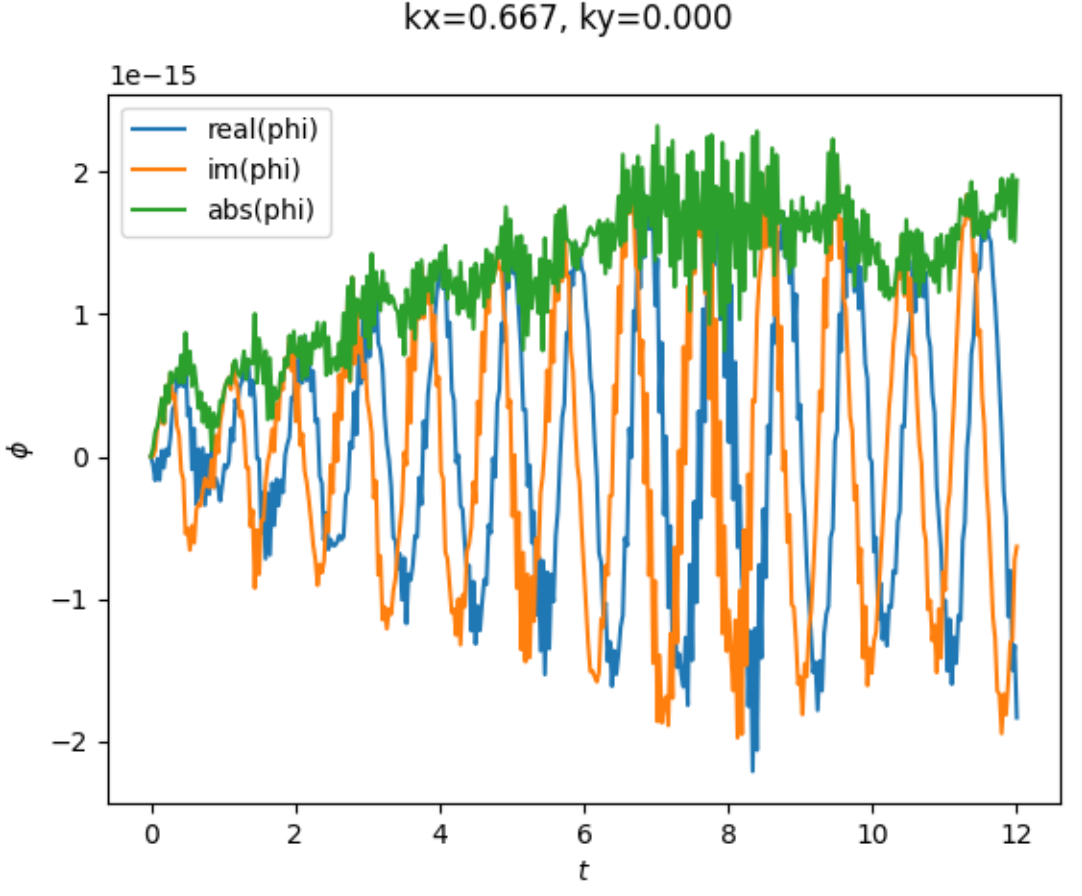
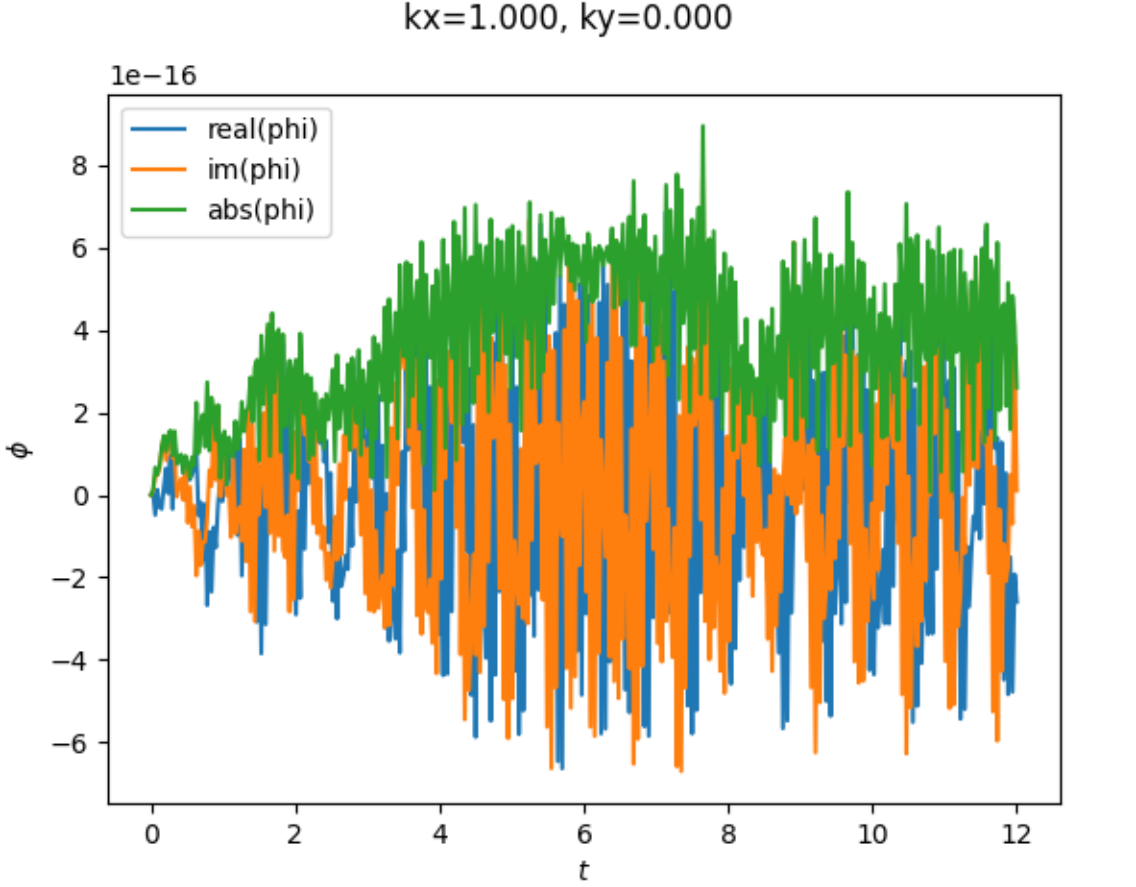
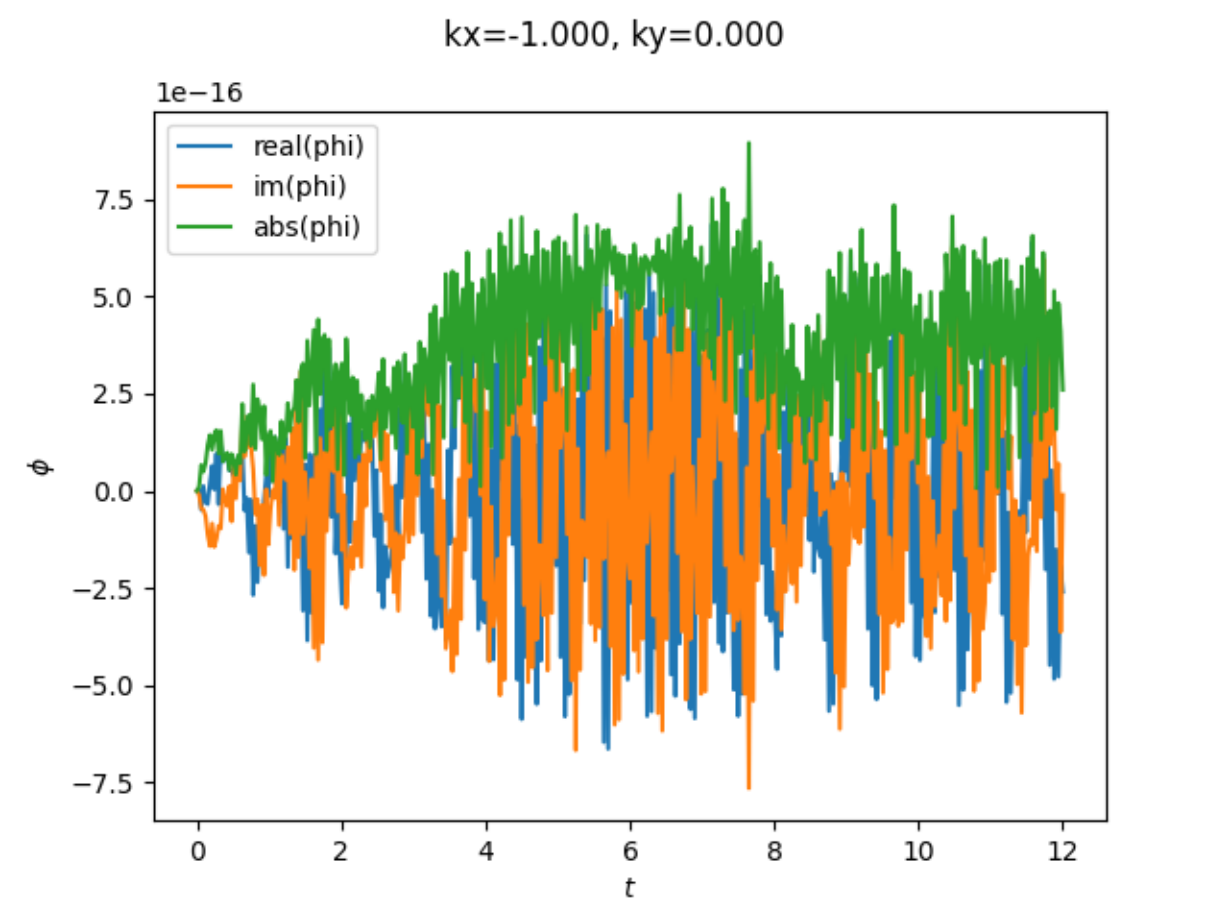
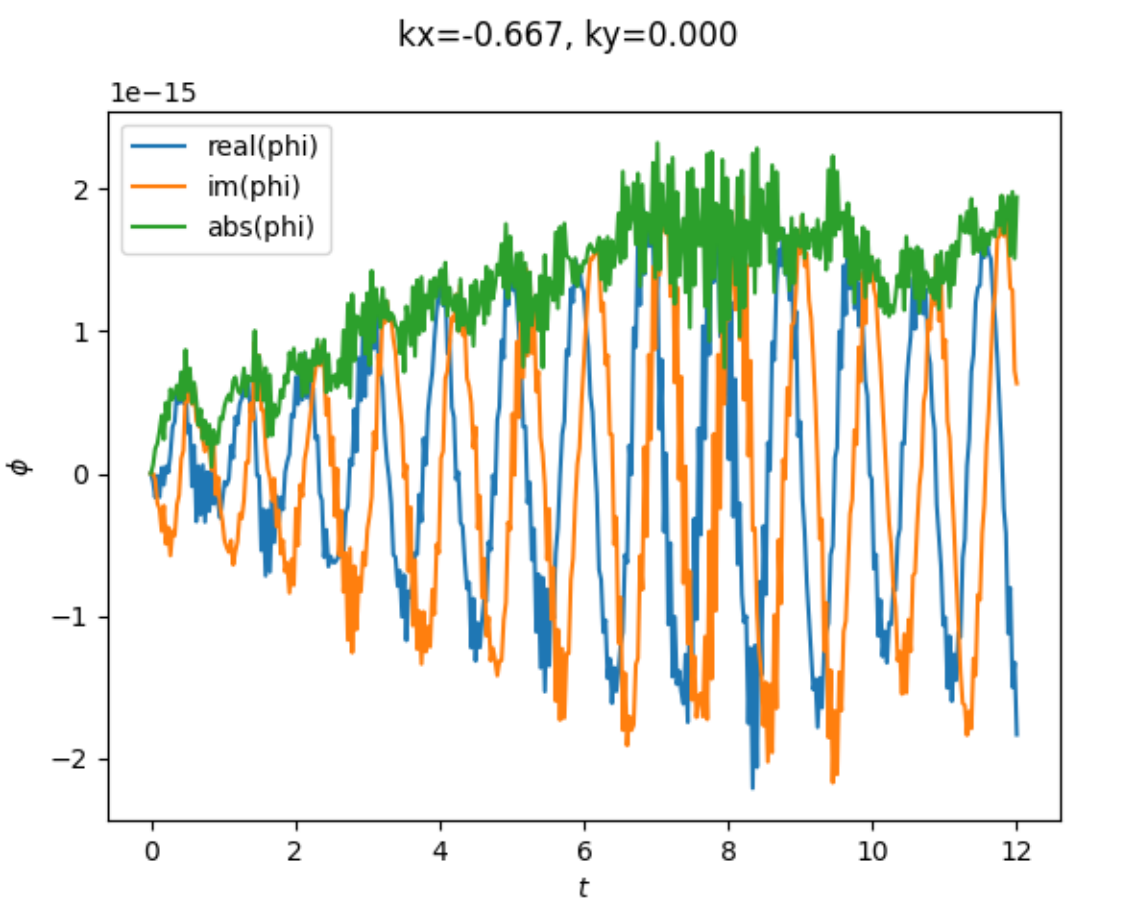

kx=0.000, ky=0.000
real(phi)
im(phi)
abs(phi)
0.04
0.02
0.00
−0.02
−0.04
ϕ
0
2
4
6
8
10
12
t

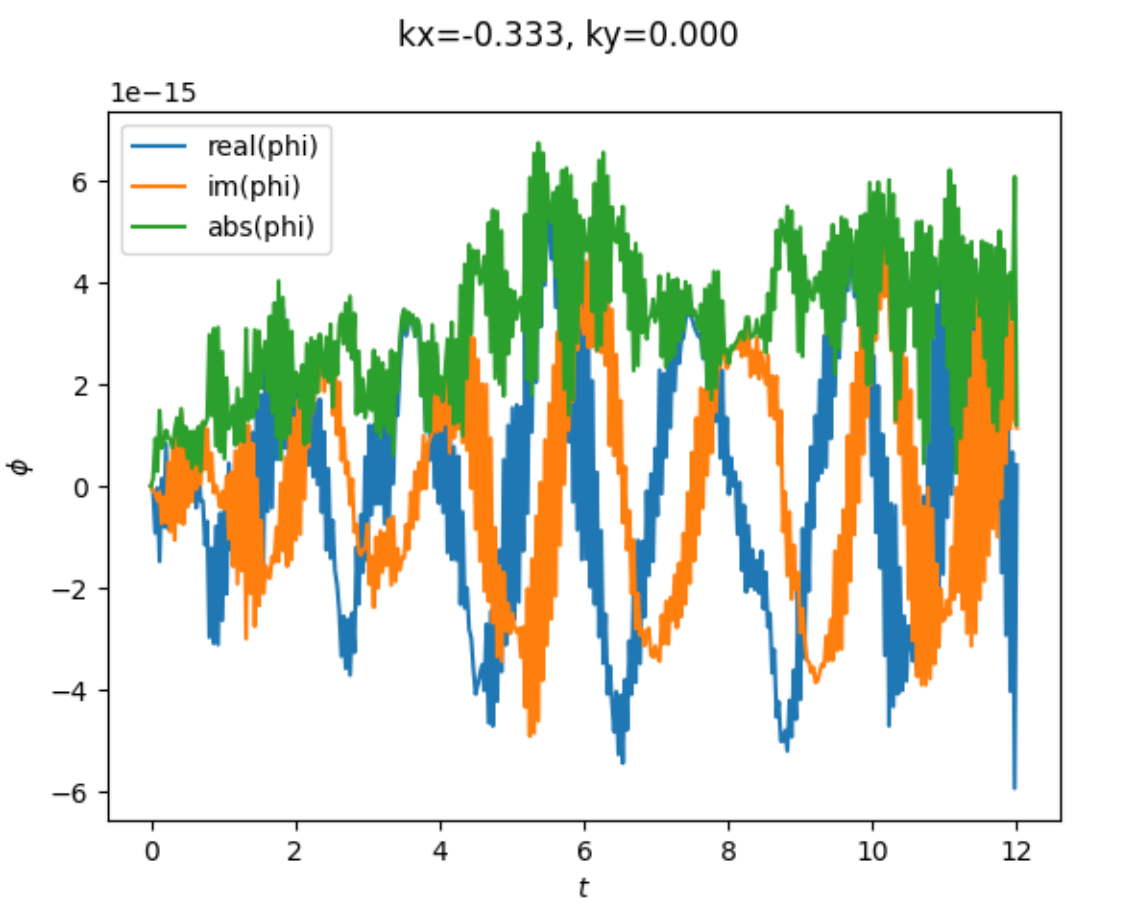

kx=0.333, ky=0.000
1e−15
real(phi)
im(phi)
abs(phi)
6
4
2
0
−2
−4
−6
ϕ
0
2
4
6
8
10
12
t

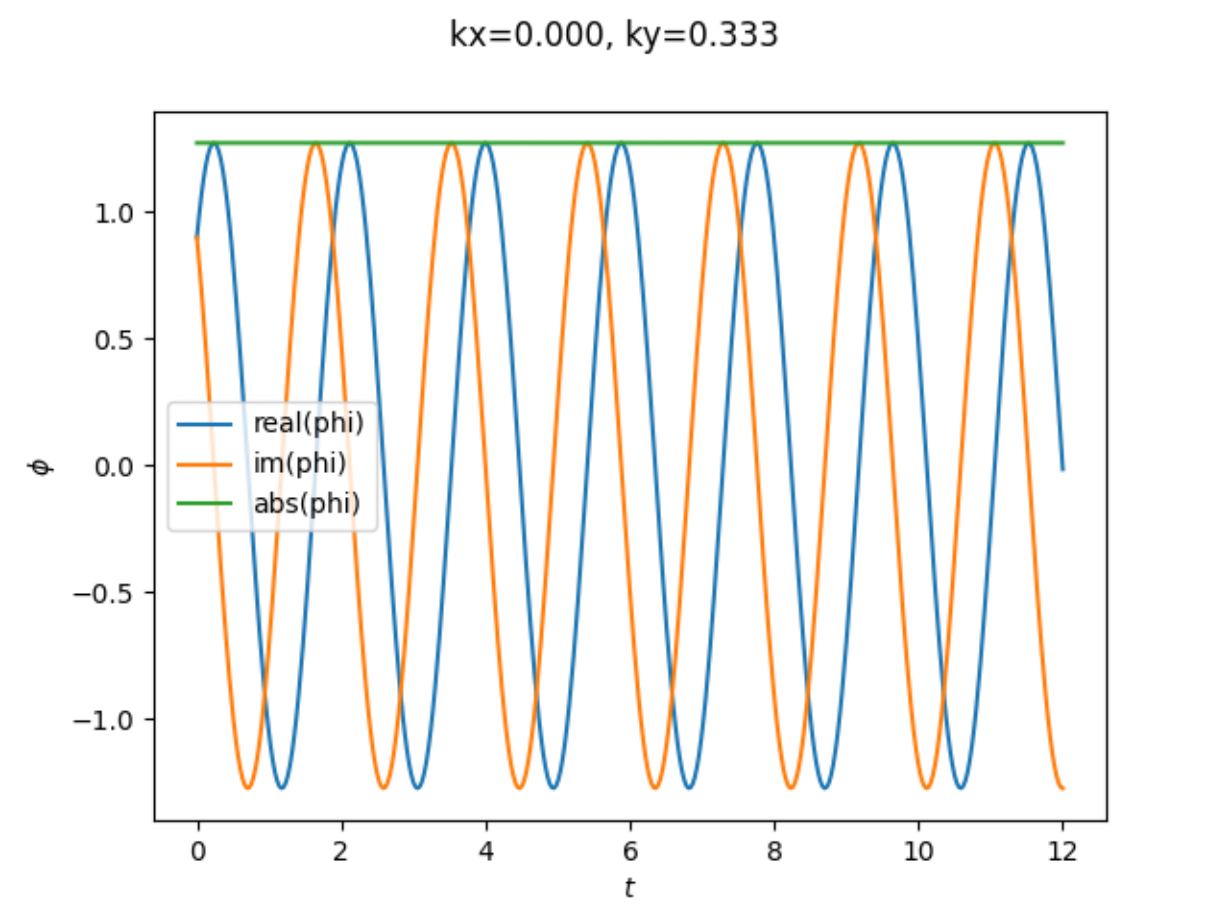

kx=0.667, ky=0.000
1e−15
real(phi)
im(phi)
abs(phi)
2
1
0
−1
−2
ϕ
0
2
4
6
8
10
12
t

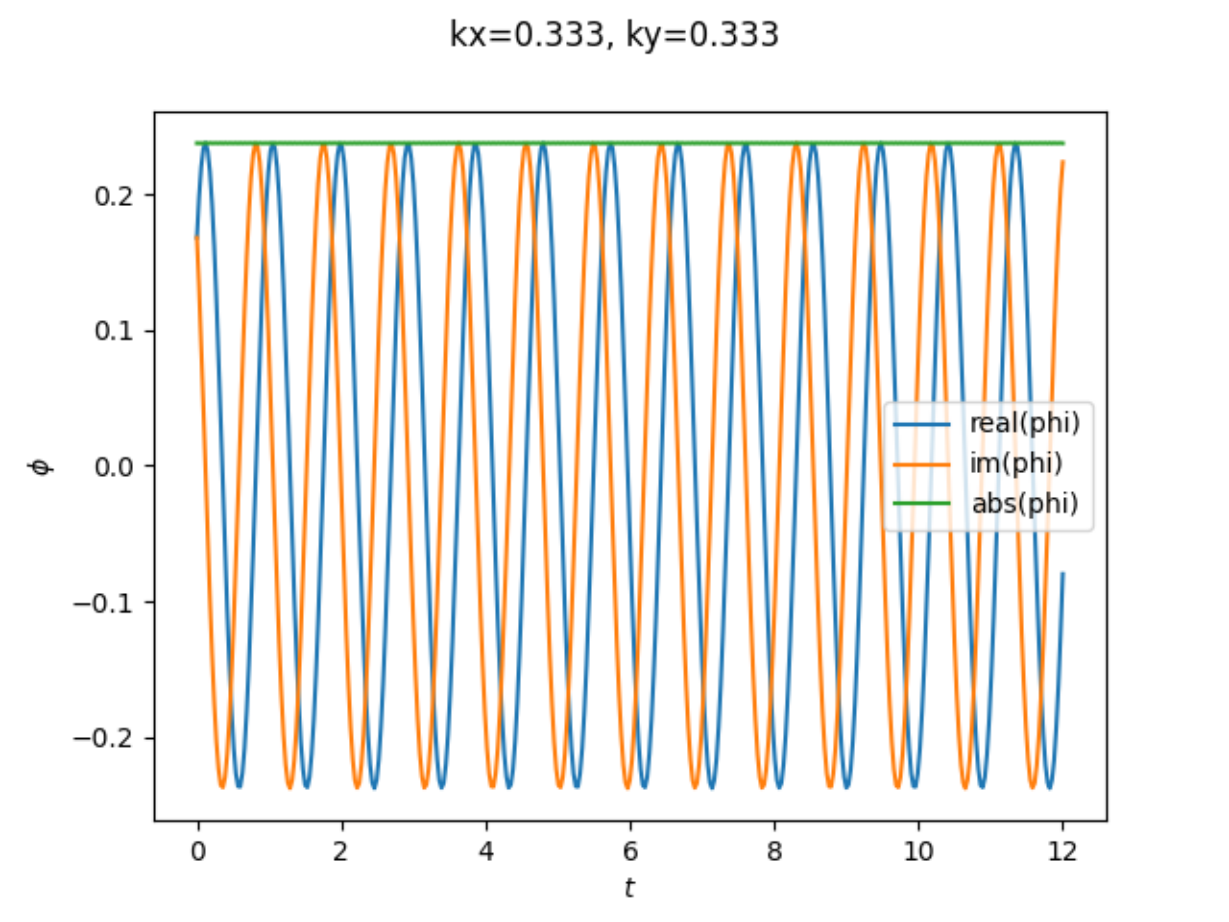

kx=1.000, ky=0.000
1e−16
real(phi)
im(phi)
abs(phi)
8
6
4
2
0
−2
−4
−6
ϕ
0
2
4
6
8
10
12
t

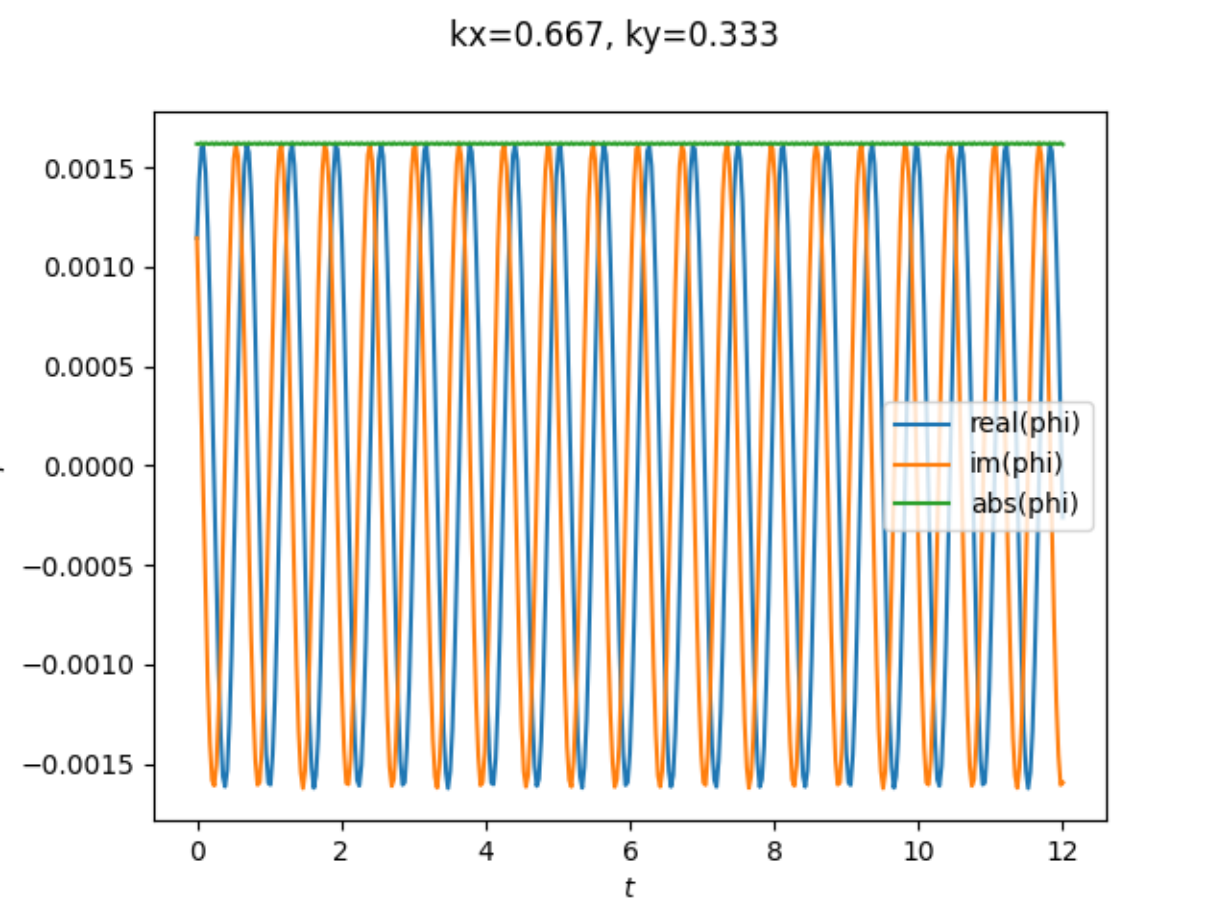

kx=-1.000, ky=0.000
1e−16
real(phi)
im(phi)
abs(phi)
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
ϕ
0
2
4
6
8
10
12
t

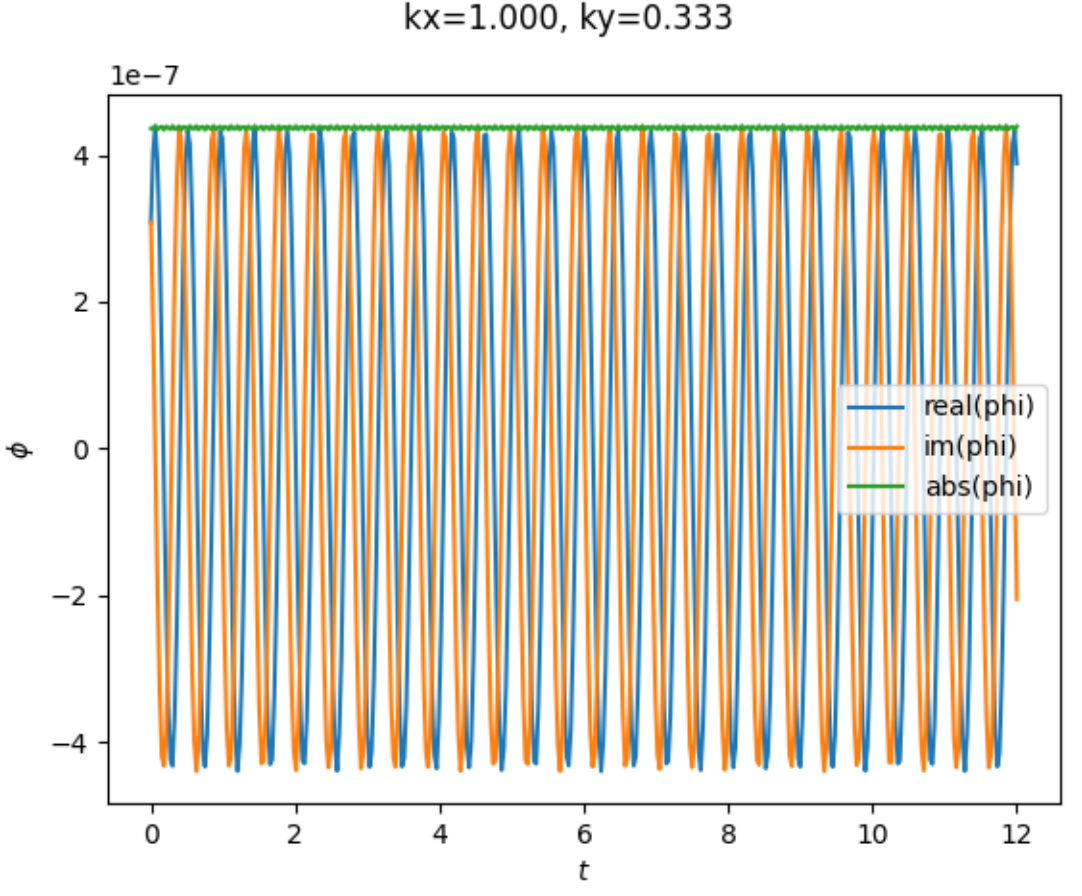

kx=-0.667, ky=0.000
1e−15
real(phi)
im(phi)
abs(phi)
2
1
0
−1
−2
ϕ
0
2
4
6
8
10
12
t

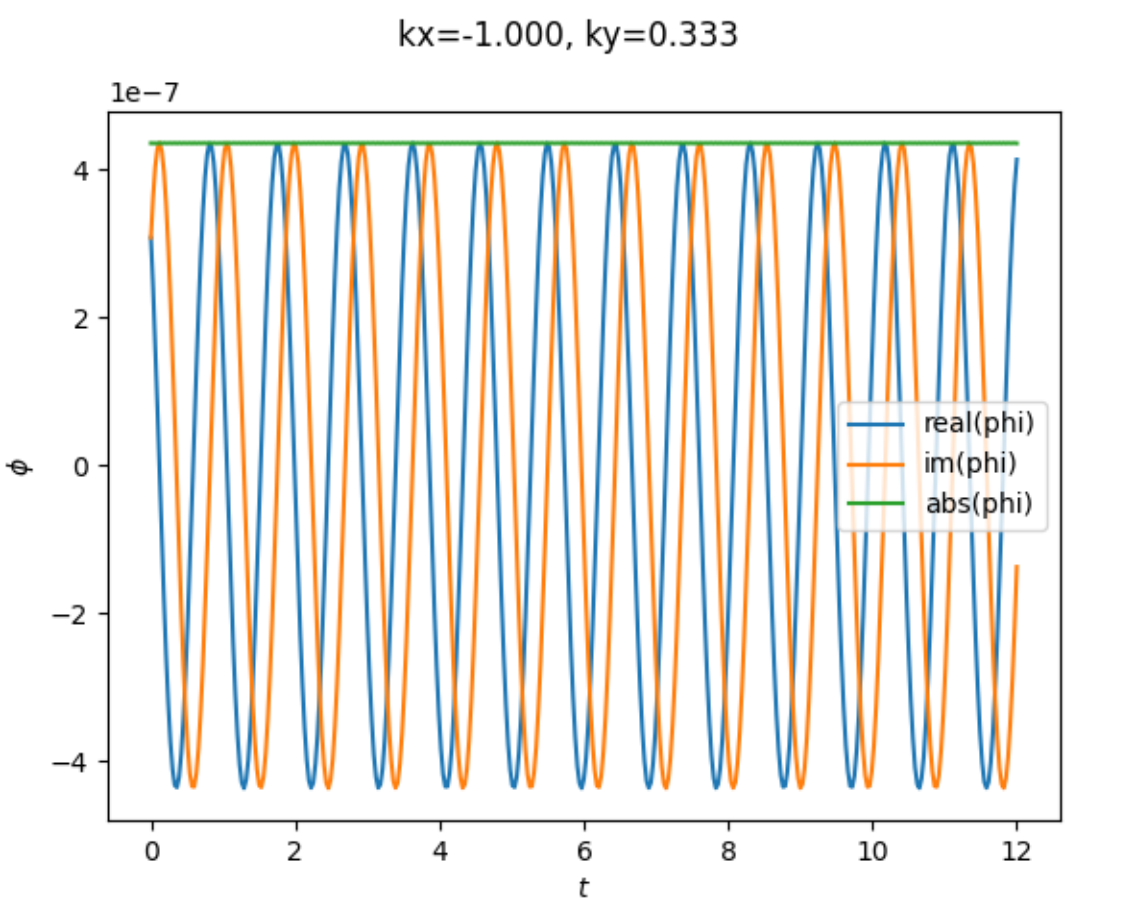

kx=-0.333, ky=0.000
1e−15
real(phi)
im(phi)
abs(phi)
6
4
2
0
−2
−4
−6
ϕ
0
2
4
6
8
10
12
t

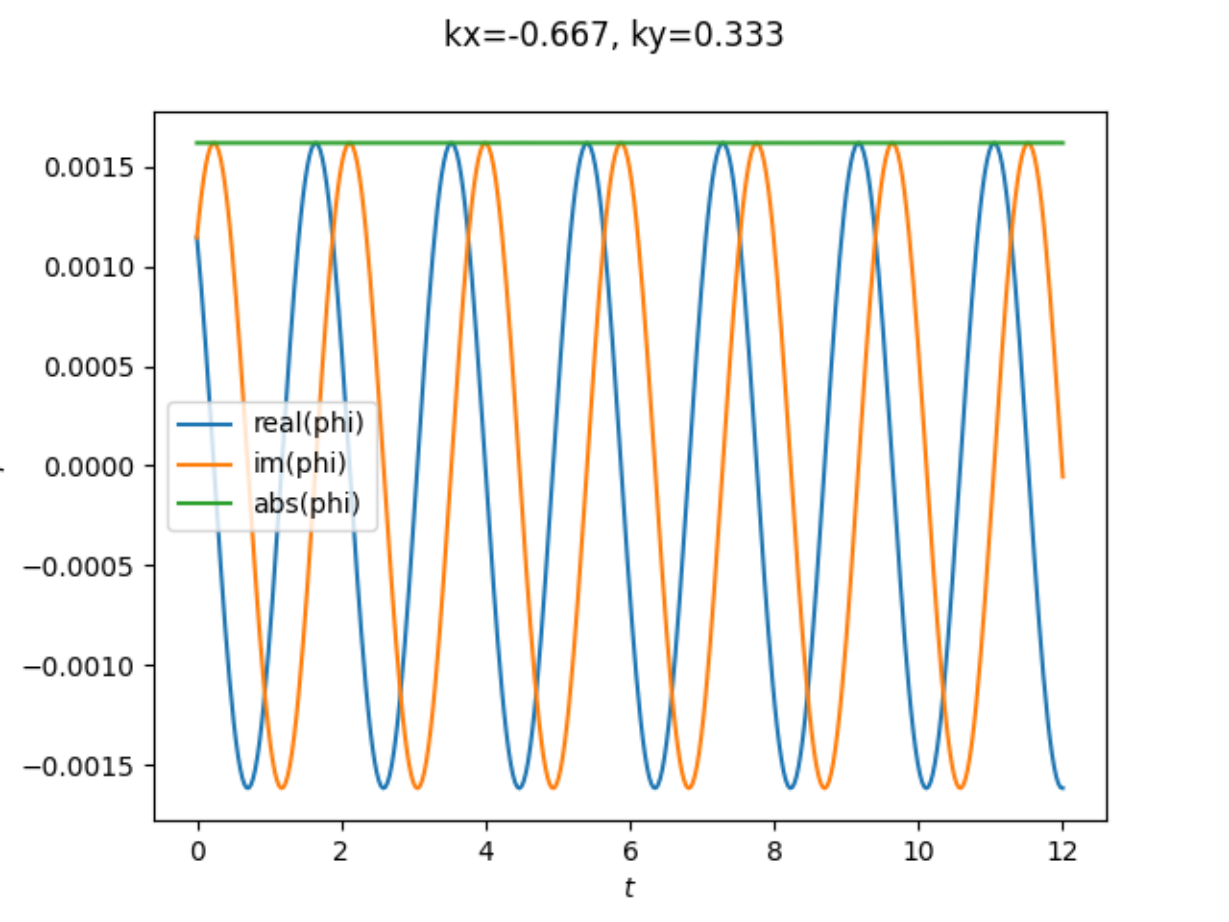

kx=0.000, ky=0.333
real(phi)
im(phi)
abs(phi)
1.0
0.5
0.0
−0.5
−1.0
ϕ
0
2
4
6
8
10
12
t

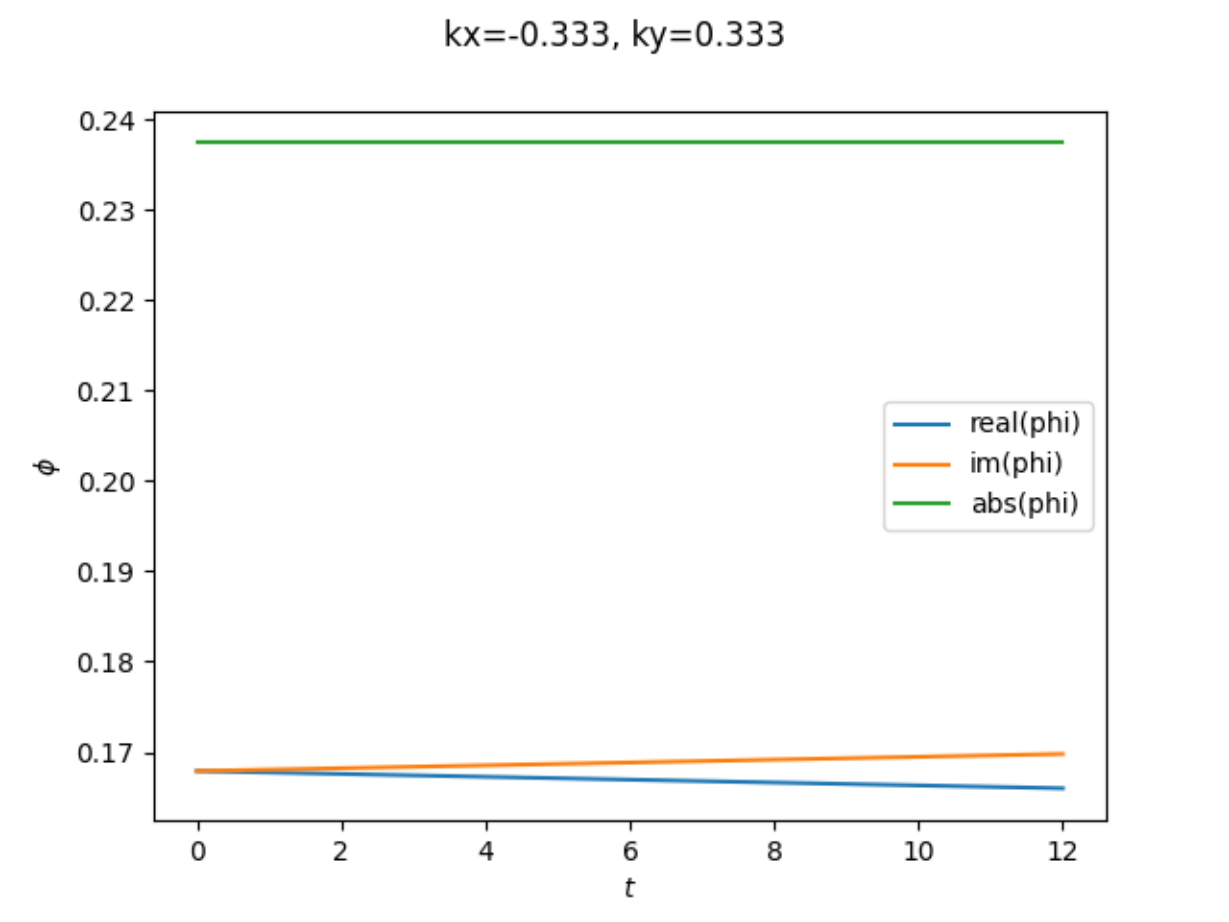

kx=0.333, ky=0.333
real(phi)
im(phi)
abs(phi)
ϕ
t
0.2
0.1
0.0
−0.1
−0.2
0
2
4
6
8
10
12

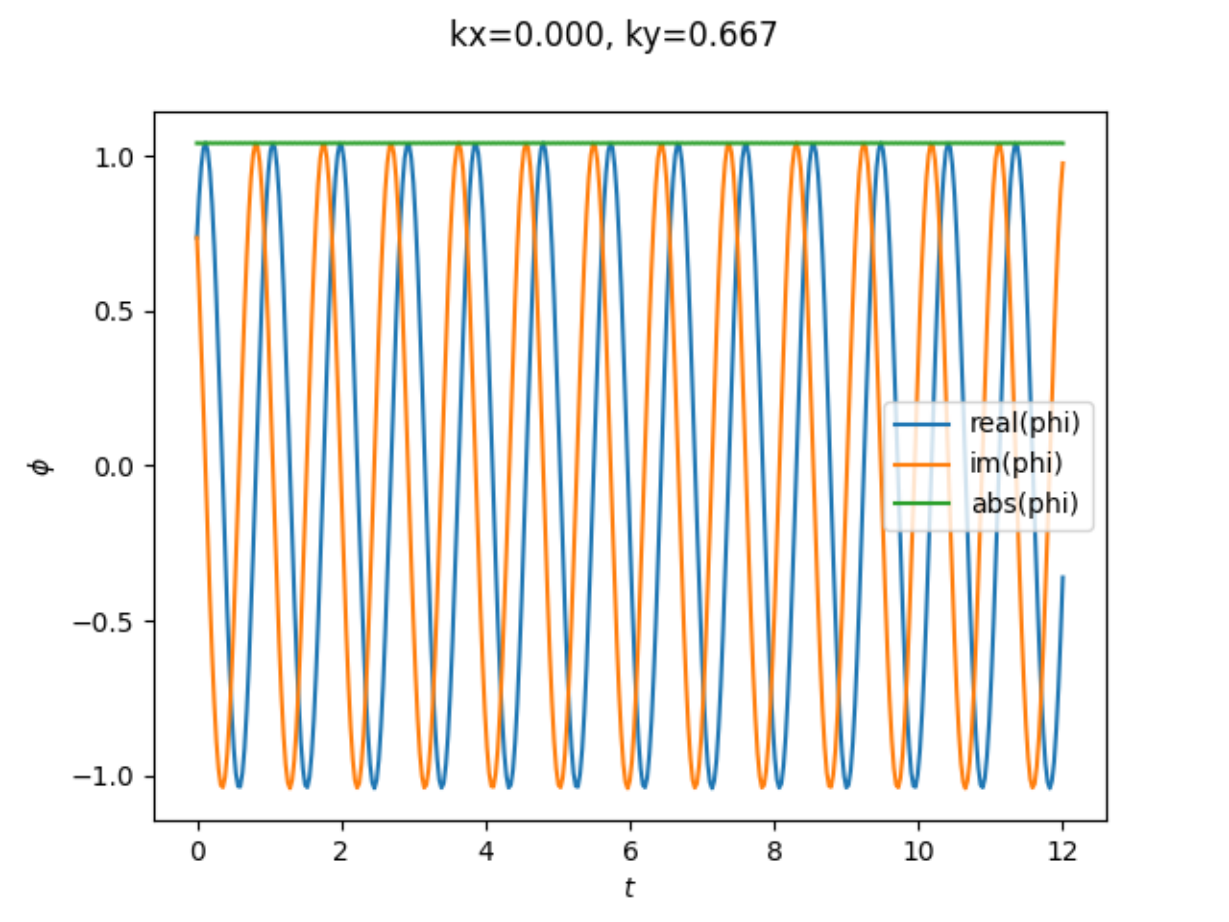

kx=0.667, ky=0.333
0.0015
0.0010
0.0005
0.0000
−0.0005
−0.0010
−0.0015
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

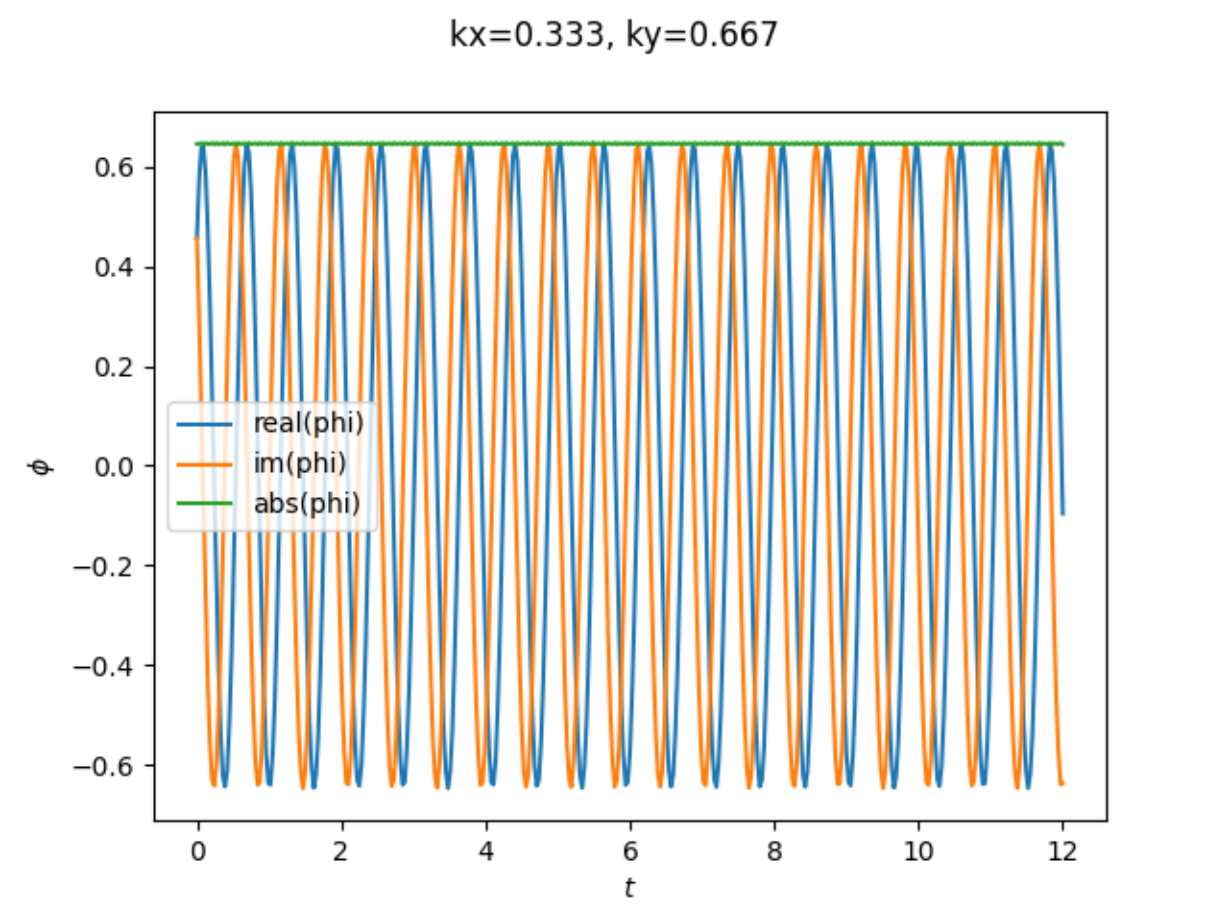

kx=1.000, ky=0.333
1e−7
4
2
0
−2
−4
ϕ
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

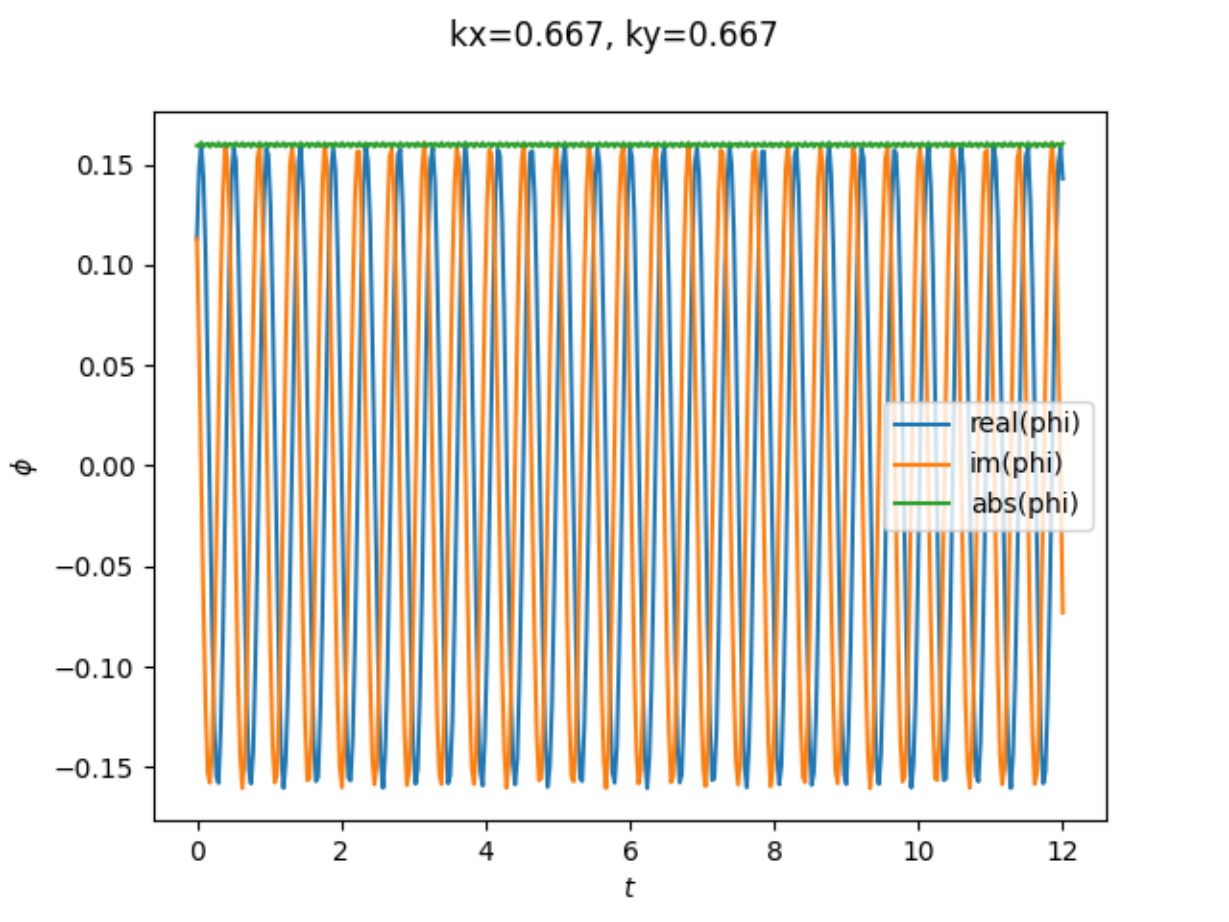

kx=-1.000, ky=0.333
1e−7
4
2
0
−2
−4
ϕ
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

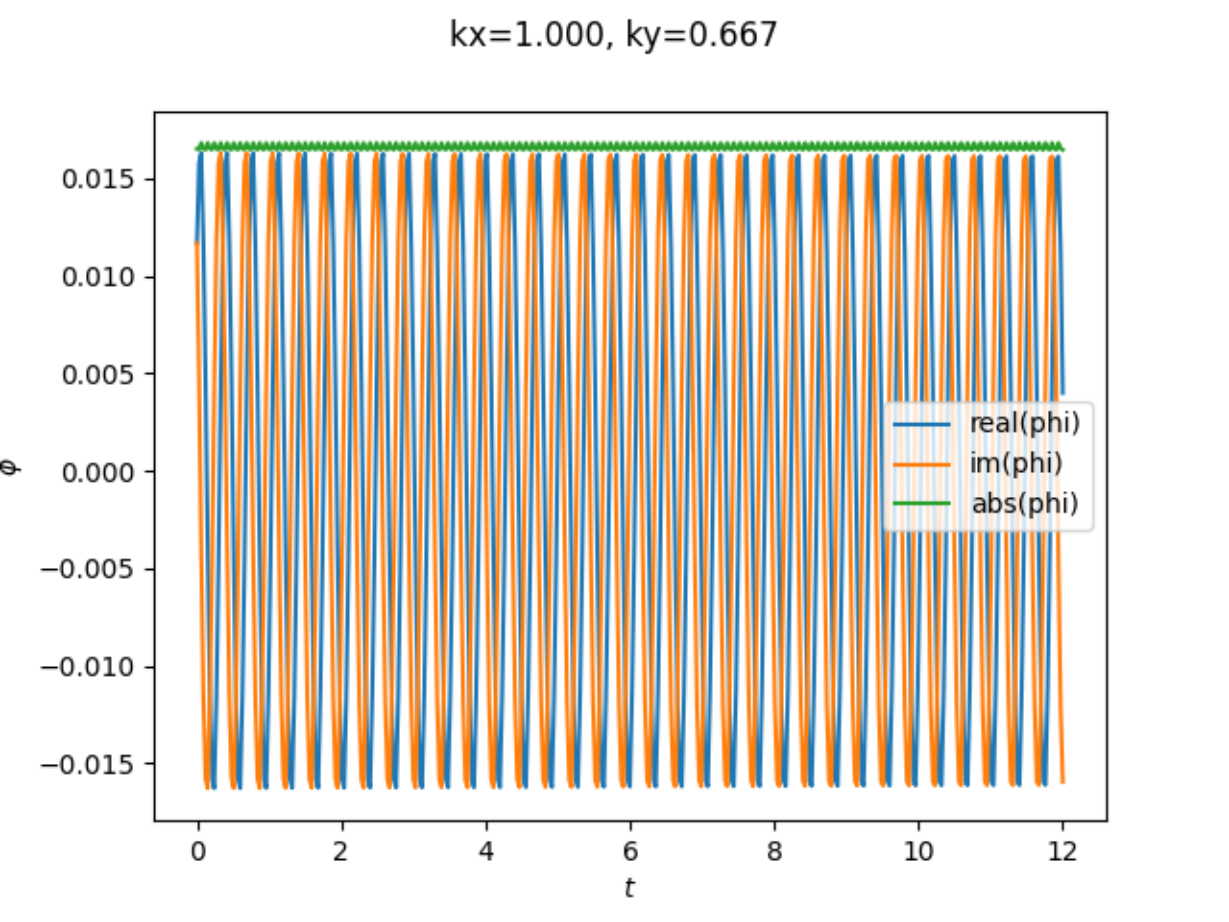

kx=-0.667, ky=0.333
0.0015
0.0010
0.0005
0.0000
−0.0005
−0.0010
−0.0015
real(phi)
im(phi)
abs(phi)
0
2
4
6
8
10
12
t

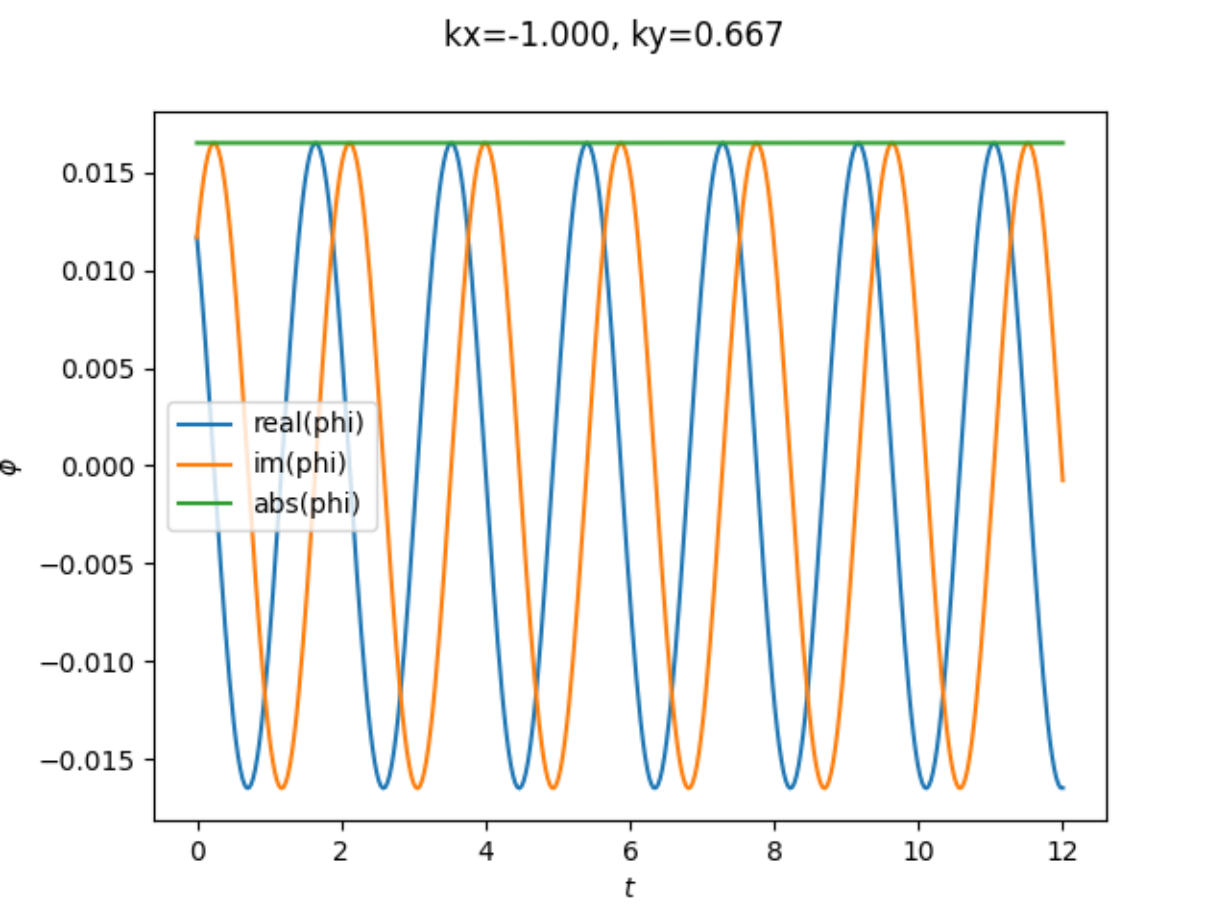

kx=-0.333, ky=0.333
0.24
0.23
0.22
0.21
0.20
0.19
0.18
0.17
ϕ
real(phi)
im(phi)
abs(phi)
0
2
4
6
8
10
12
t

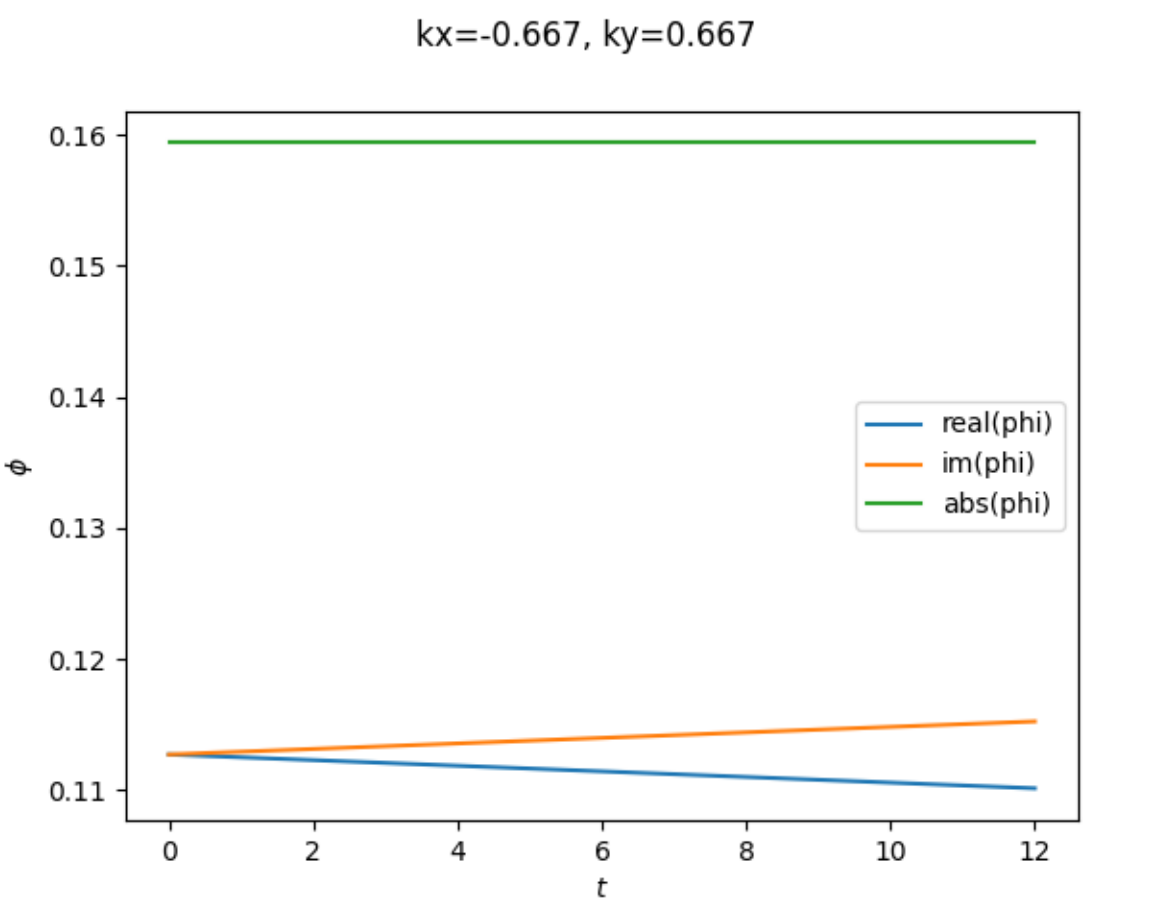

kx=0.000, ky=0.667
1.0
0.5
0.0
−0.5
−1.0
ϕ
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

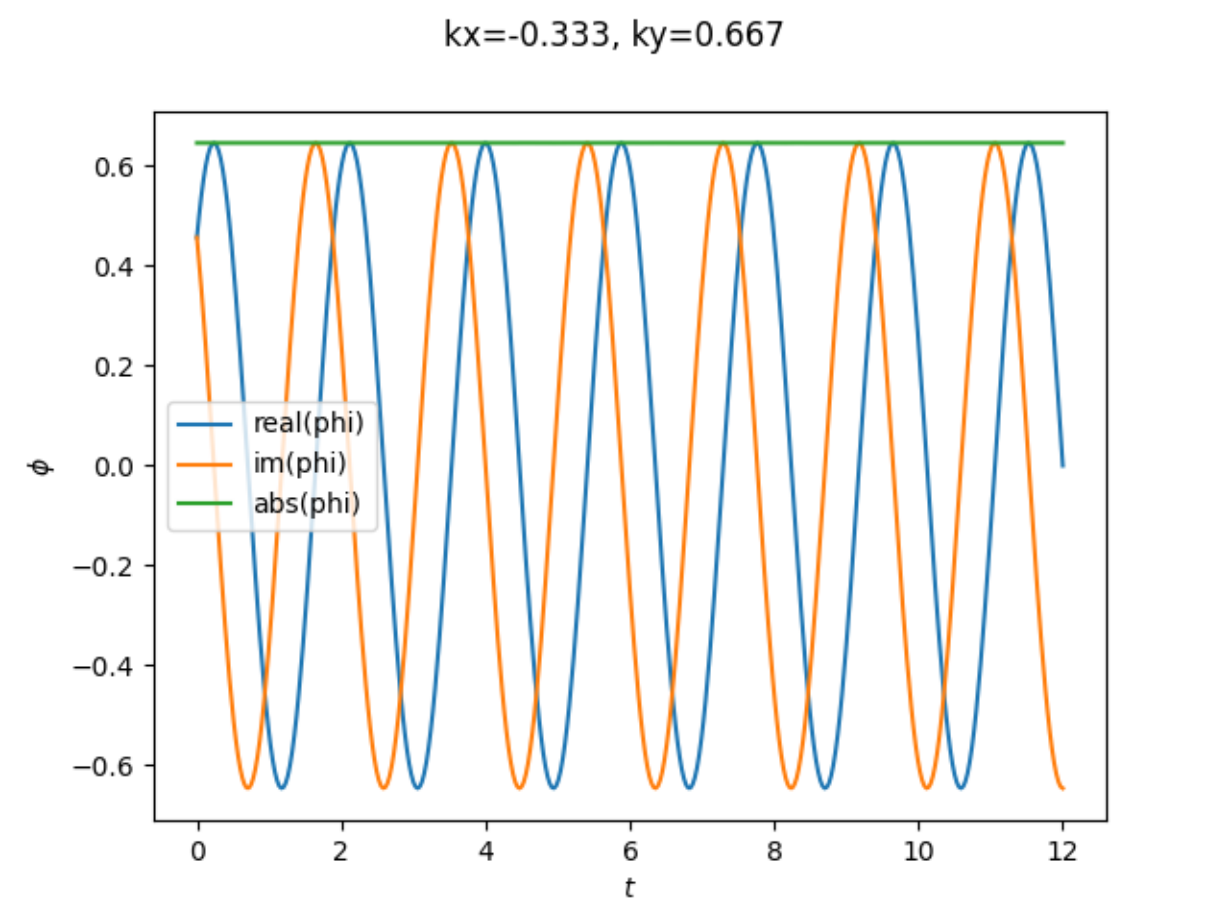

kx=0.333, ky=0.667
real(phi)
im(phi)
abs(phi)
ϕ
t
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
2
4
6
8
10
12

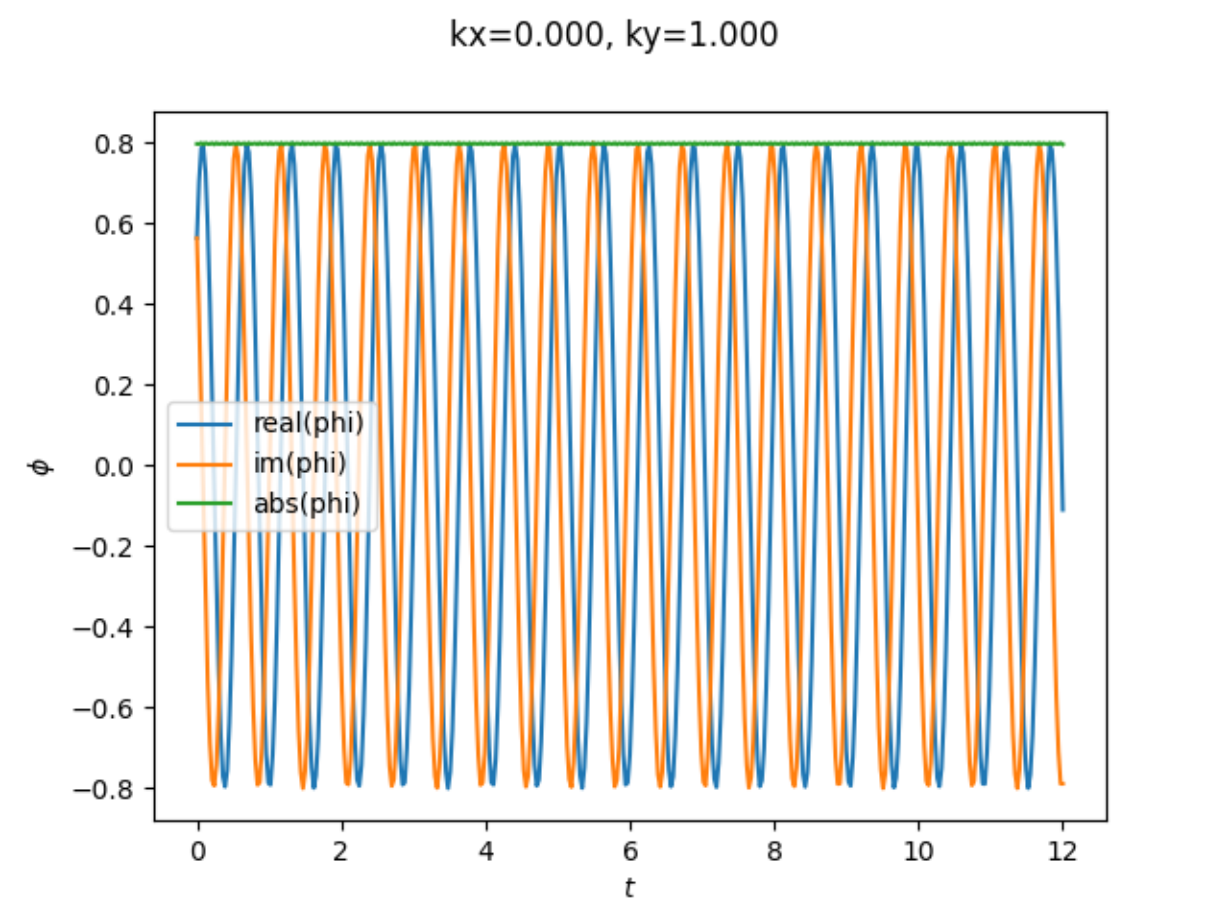

kx=0.667, ky=0.667
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
ϕ
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

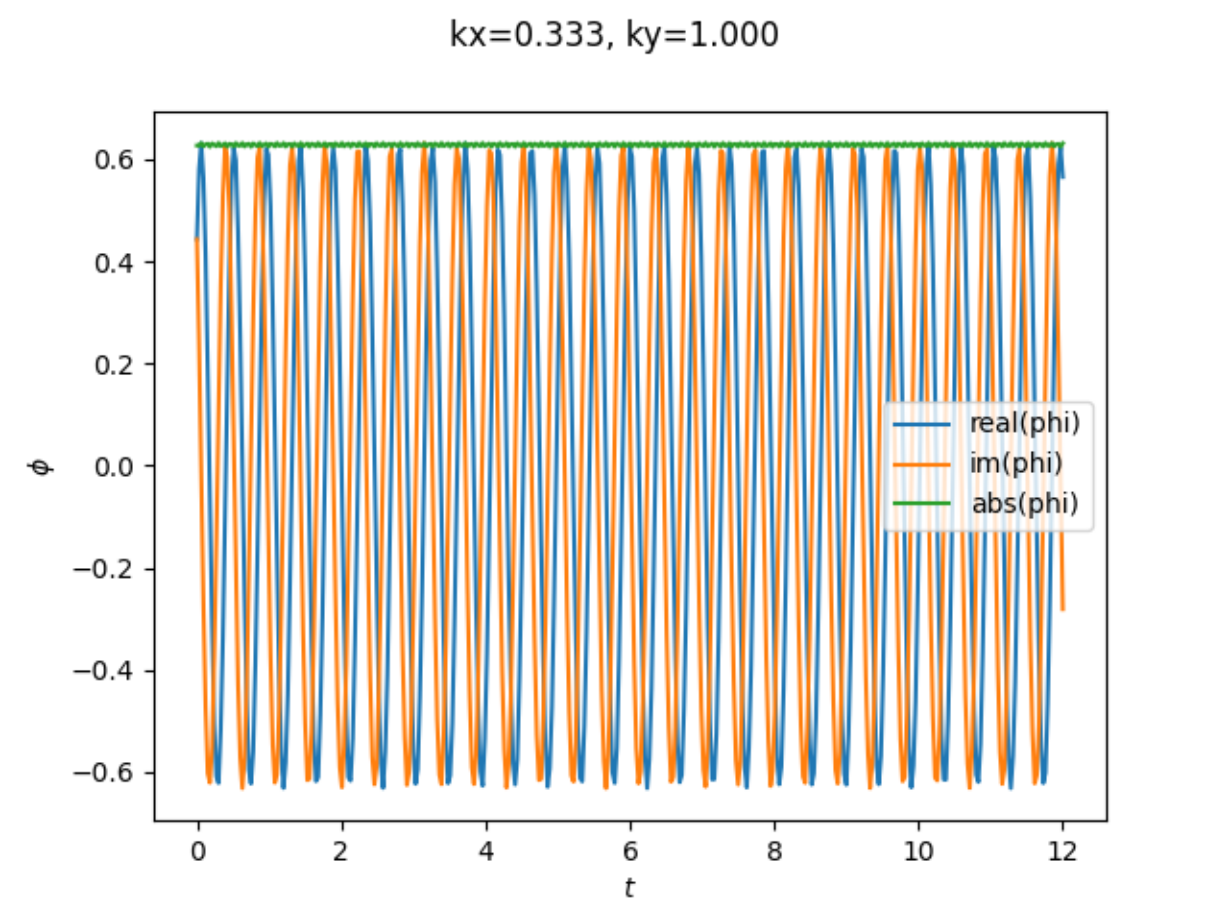

kx=1.000, ky=0.667
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
Φ
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

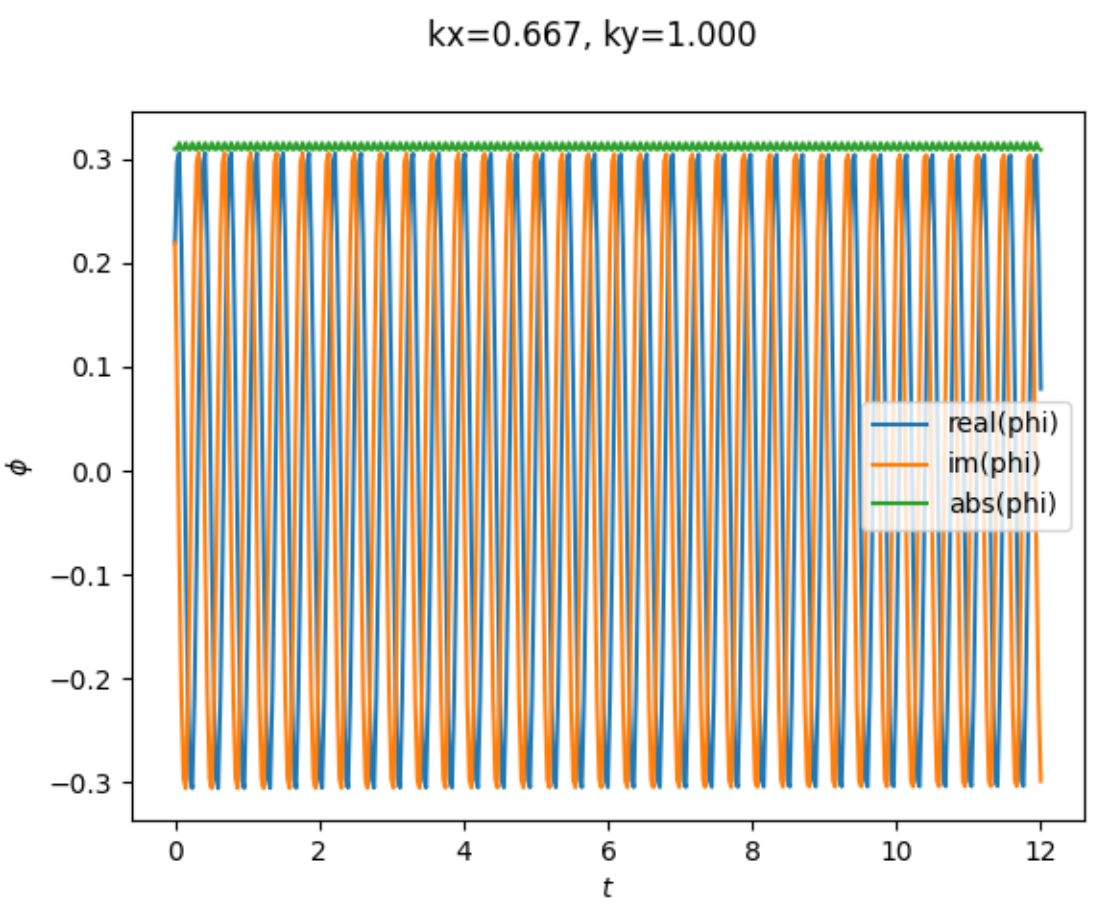

kx=-1.000, ky=0.667
real(phi)
im(phi)
abs(phi)
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
0
2
4
6
8
10
12
t

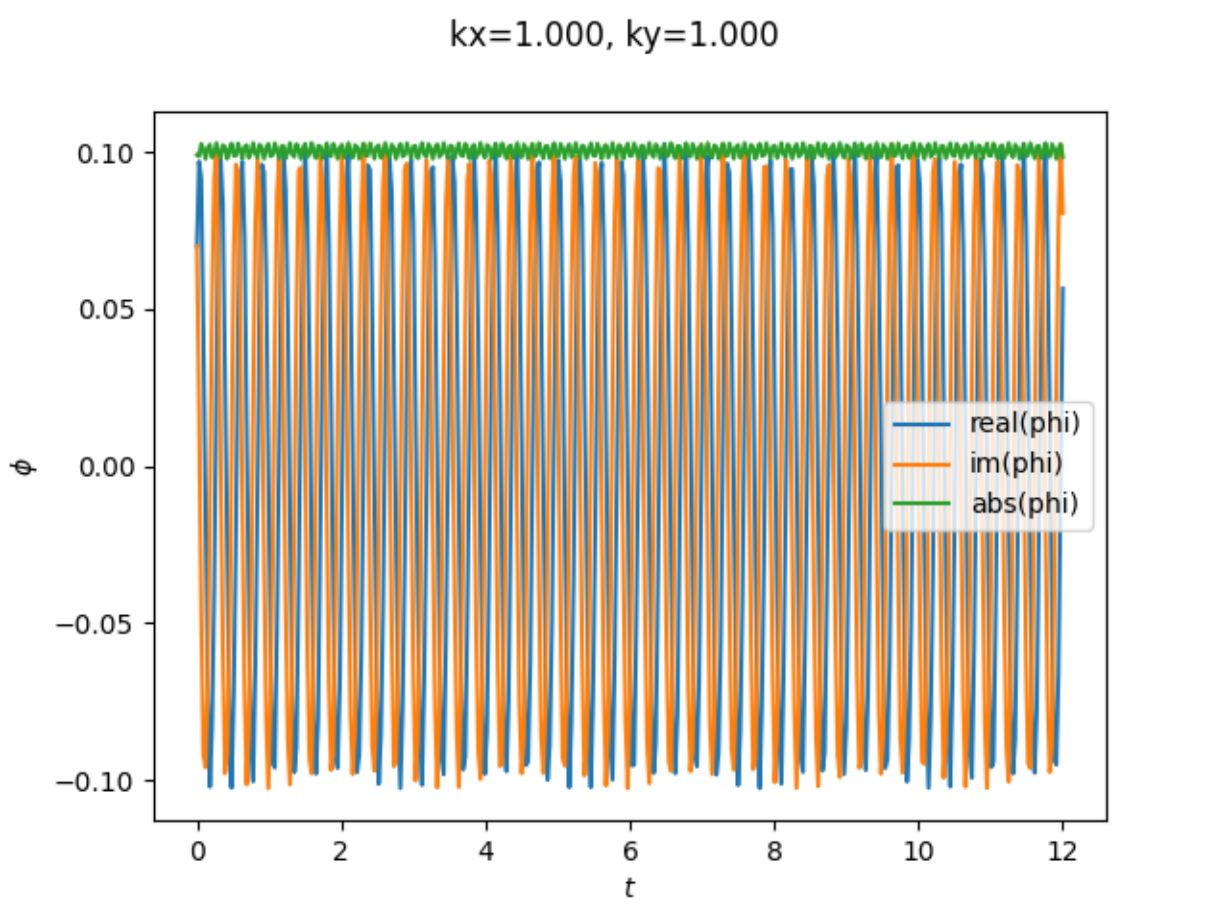

kx=-0.667, ky=0.667
0.16
0.15
0.14
0.13
0.12
0.11
ϕ
real(phi)
im(phi)
abs(phi)
0
2
4
6
8
10
12
t

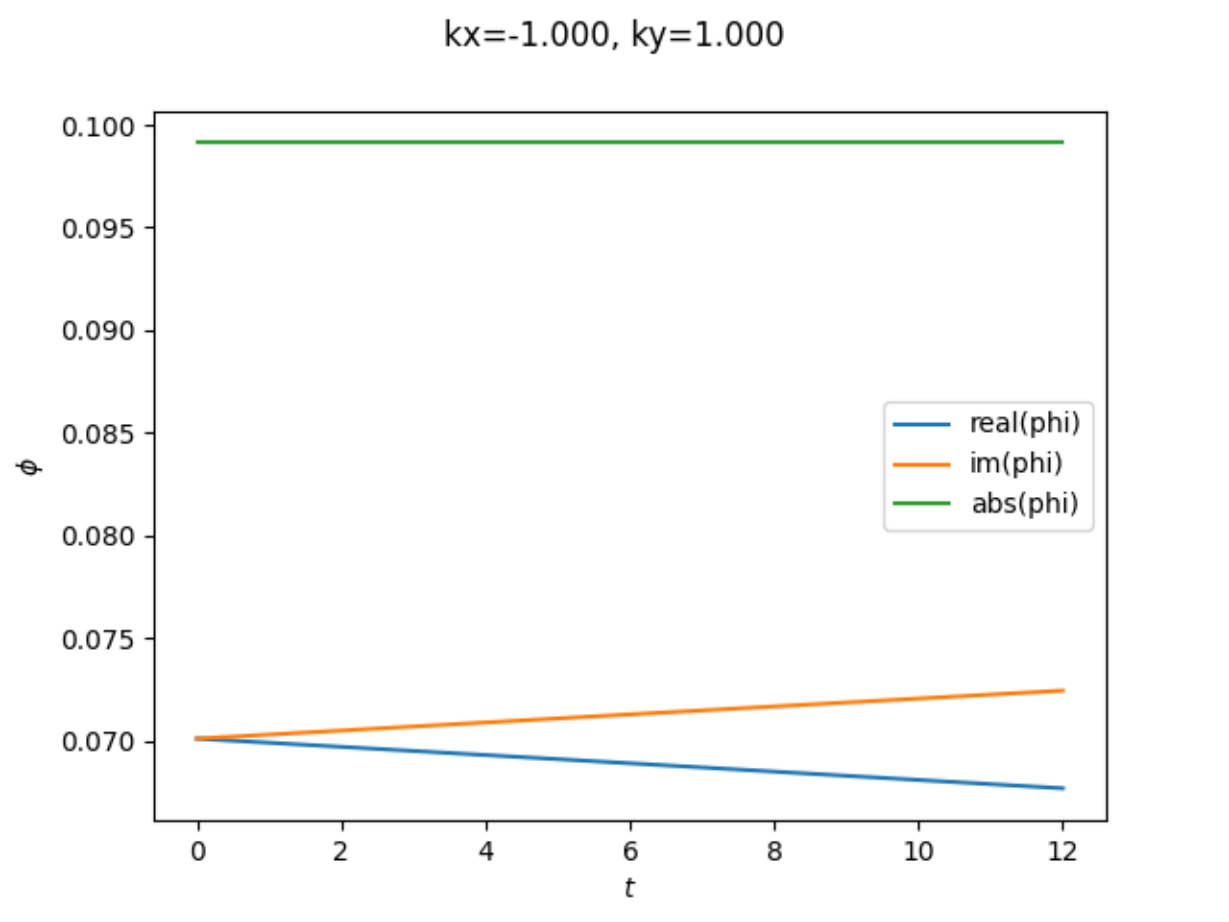

kx=-0.333, ky=0.667
real(phi)
im(phi)
abs(phi)
ϕ
t
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
2
4
6
8
10
12

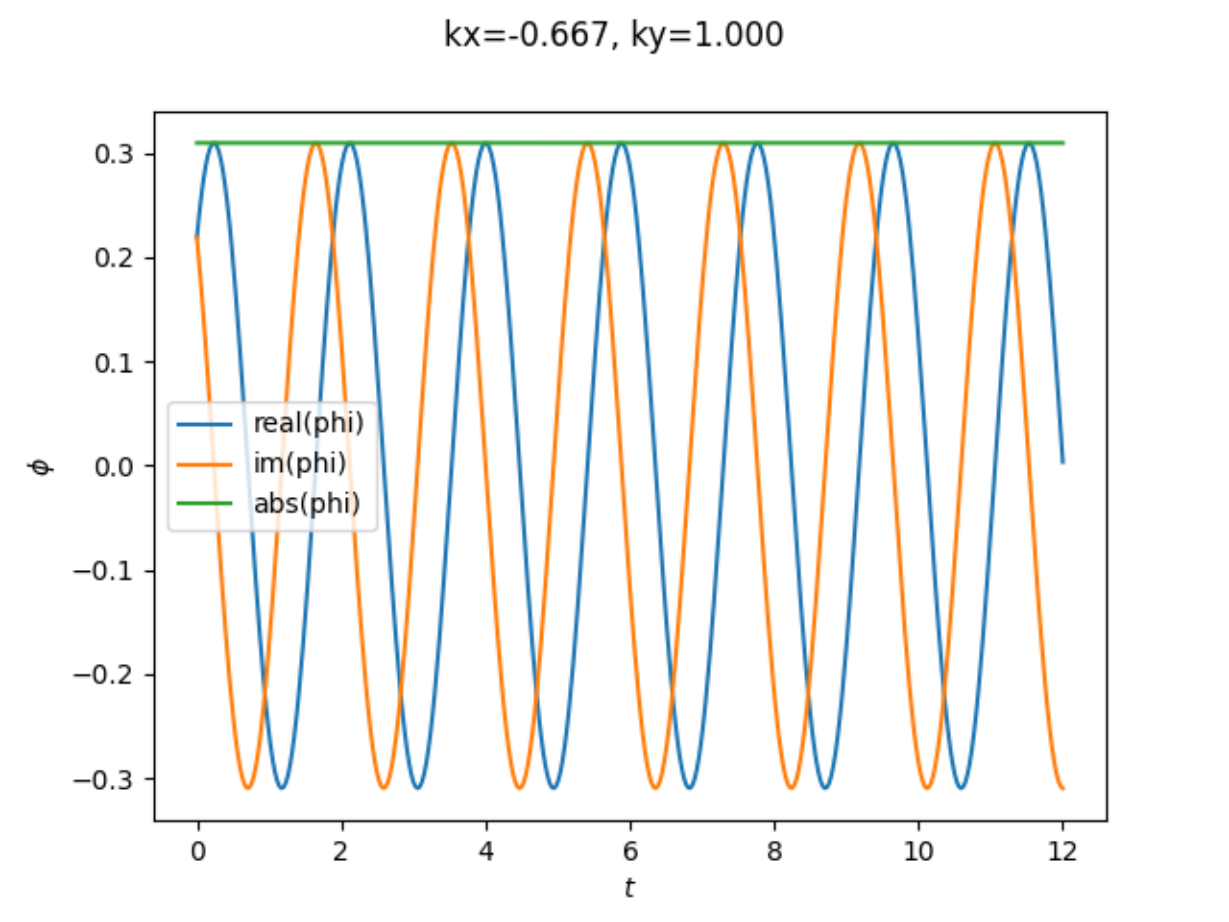

kx=0.000, ky=1.000
real(phi)
im(phi)
abs(phi)
ϕ
t
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0
2
4
6
8
10
12

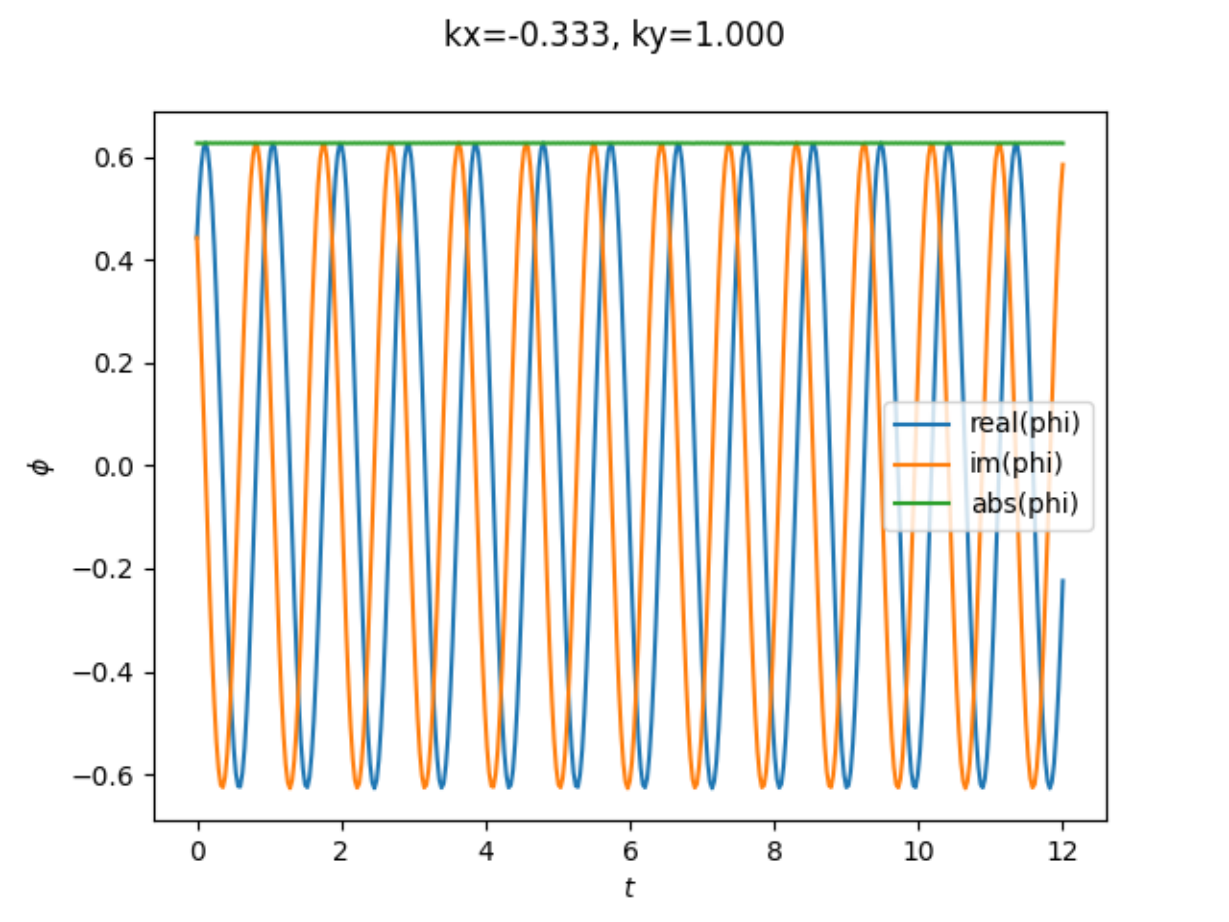

kx=0.333, ky=1.000
real(phi)
im(phi)
abs(phi)
ϕ
t
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
2
4
6
8
10
12

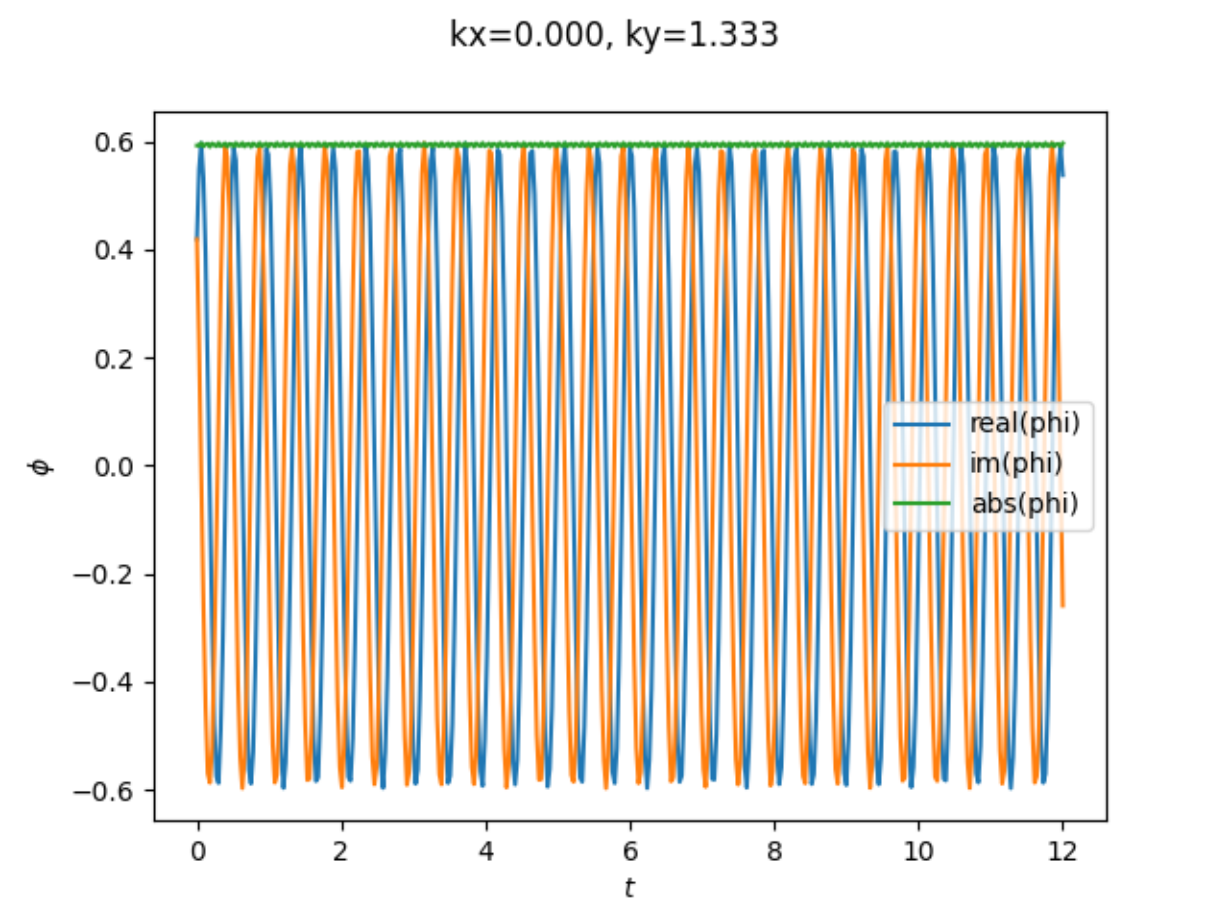

kx=0.667, ky=1.000
real(phi)
im(phi)
abs(phi)
ϕ
t
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
2
4
6
8
10
12

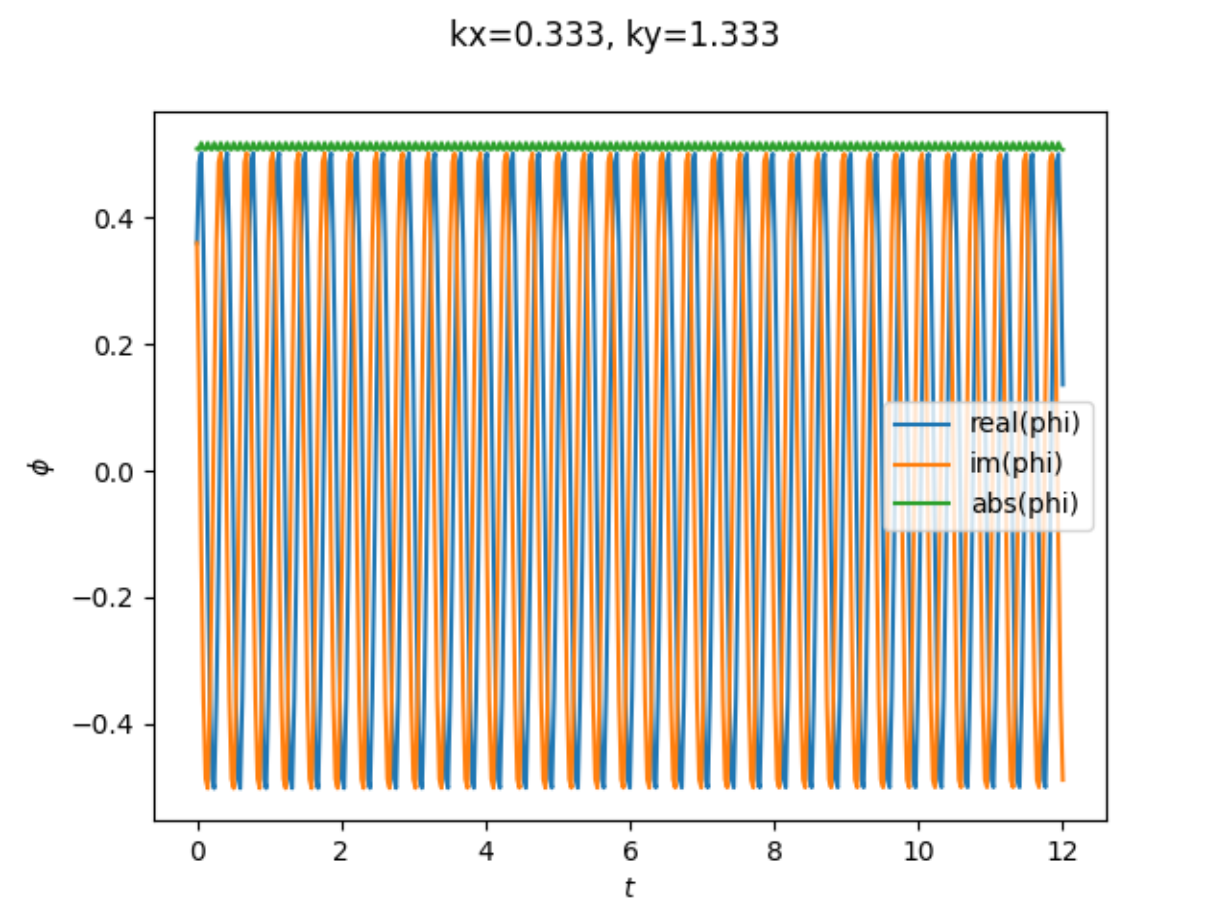

kx=1.000, ky=1.000
0.10
0.05
0.00
−0.05
−0.10
ϕ
0
2
4
6
8
10
12
t
real(phi)
im(phi)
abs(phi)

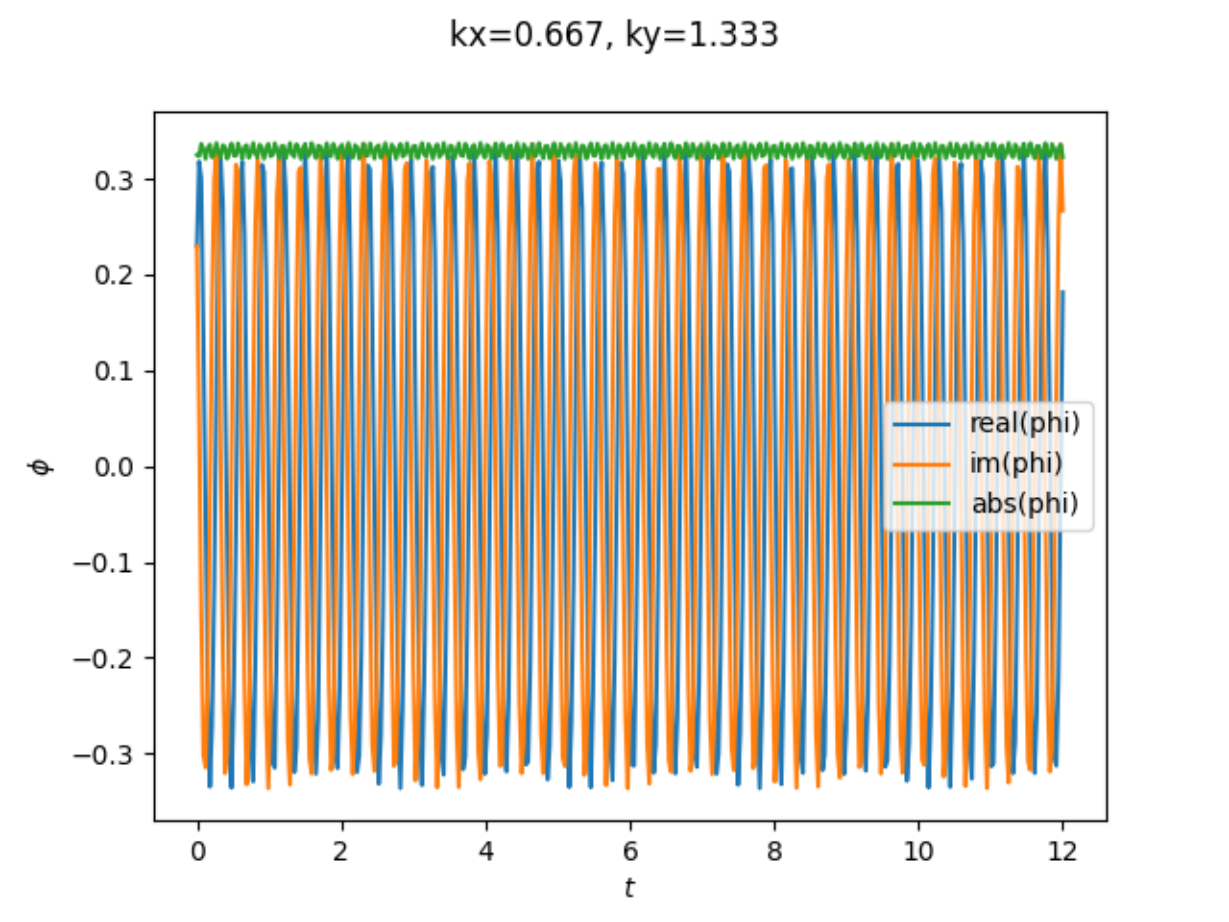

kx=-1.000, ky=1.000
0.100
0.095
0.090
0.085
0.080
0.075
0.070
ϕ
real(phi)
im(phi)
abs(phi)
0
2
4
6
8
10
12
t

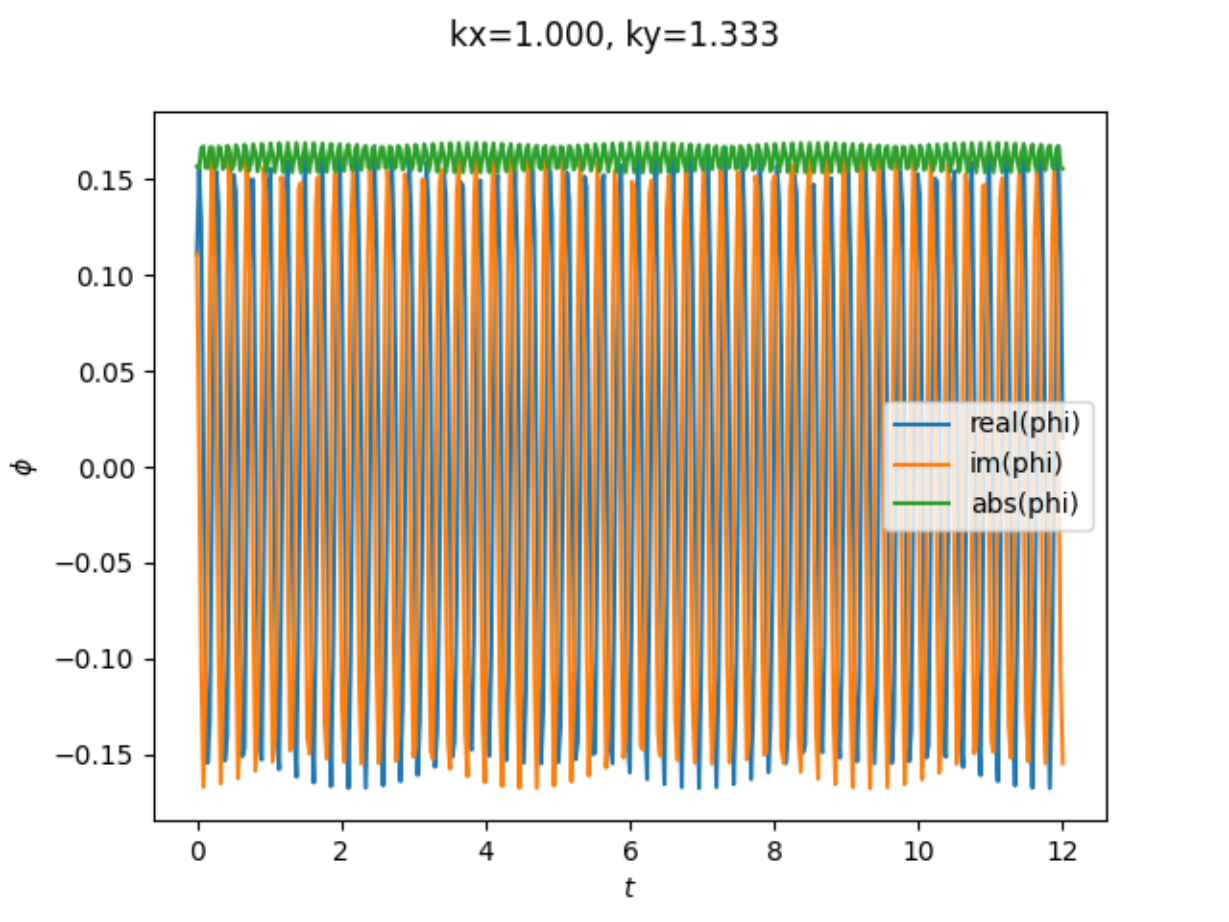

kx=-0.667, ky=1.000
real(phi)
im(phi)
abs(phi)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
ϕ
0
2
4
6
8
10
12
t

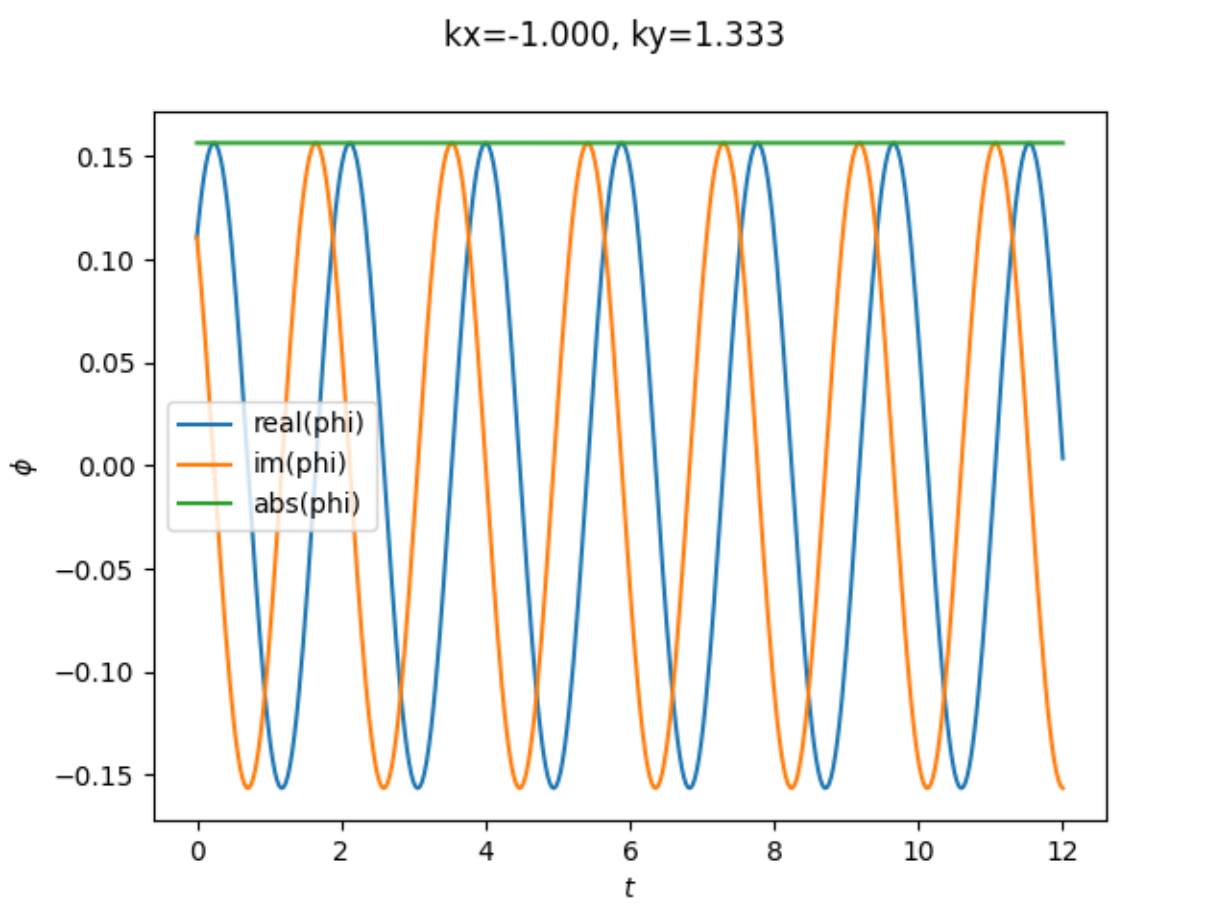

kx=-0.333, ky=1.000
real(phi)
im(phi)
abs(phi)
ϕ
t
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
2
4
6
8
10
12

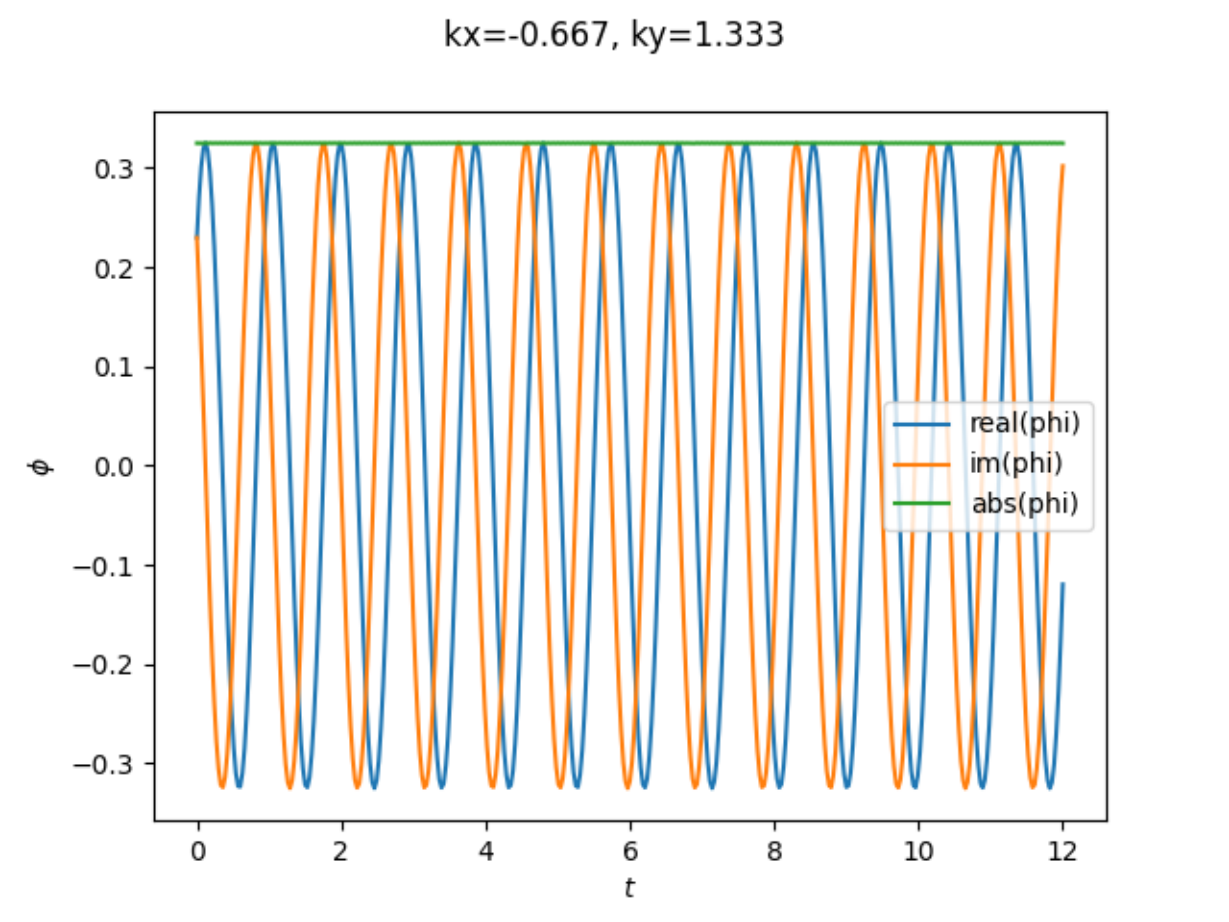

kx=0.000, ky=1.333
real(phi)
im(phi)
abs(phi)
ϕ
t
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
0
2
4
6
8
10
12

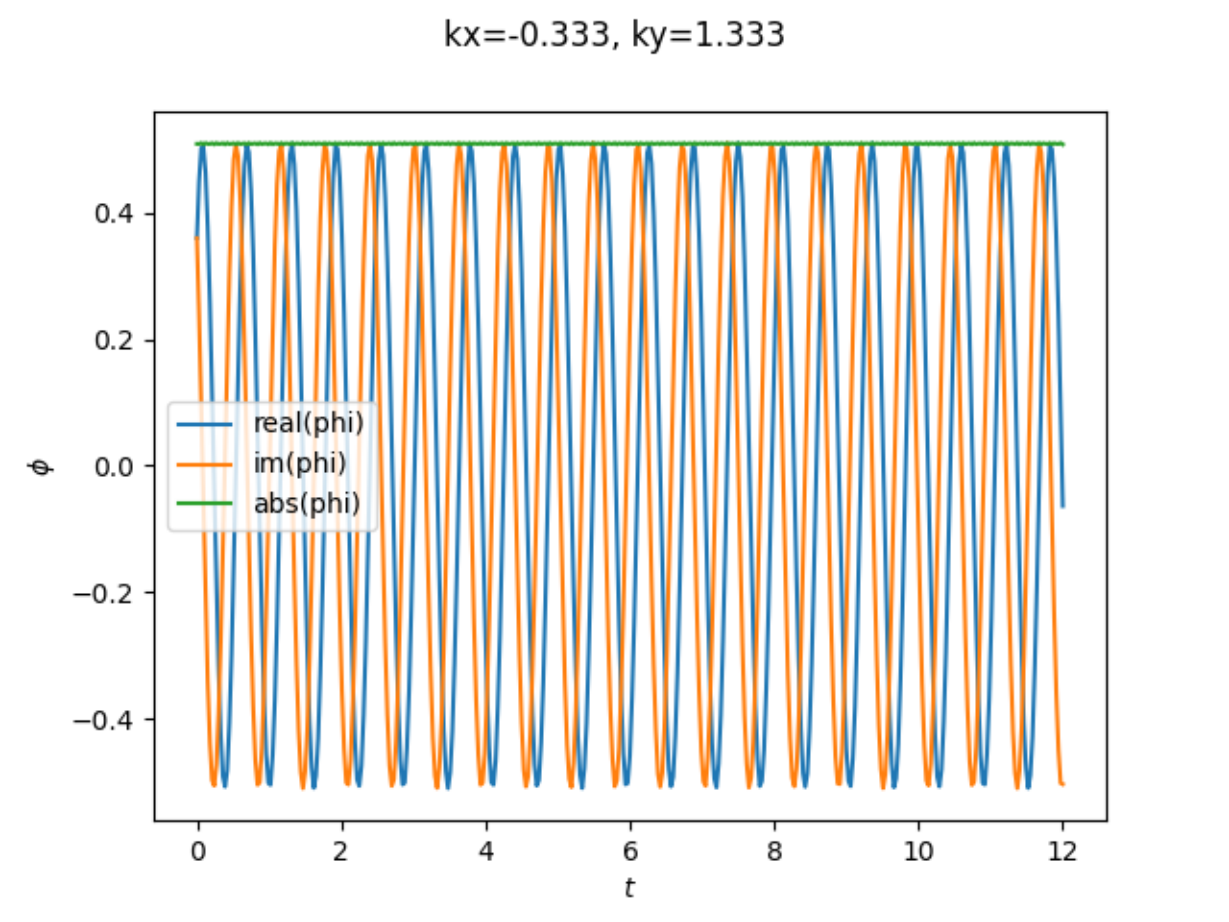

kx=0.333, ky=1.333
real(phi)
im(phi)
abs(phi)
ϕ
t
0.4
0.2
0.0
−0.2
−0.4
0
2
4
6
8
10
12


kx=0.667, ky=1.333
real(phi)
im(phi)
abs(phi)
ϕ
t
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
2
4
6
8
10
12


kx=1.000, ky=1.333
real(phi)
im(phi)
abs(phi)
ϕ
t
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0
2
4
6
8
10
12


kx=-1.000, ky=1.333
real(phi)
im(phi)
abs(phi)
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
ϕ
0
2
4
6
8
10
12
t


kx=-0.667, ky=1.333
real(phi)
im(phi)
abs(phi)
ϕ
t
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
2
4
6
8
10
12


kx=-0.333, ky=1.333
real(phi)
im(phi)
abs(phi)
0.4
0.2
0.0
−0.2
−0.4
ϕ
0
2
4
6
8
10
12
t