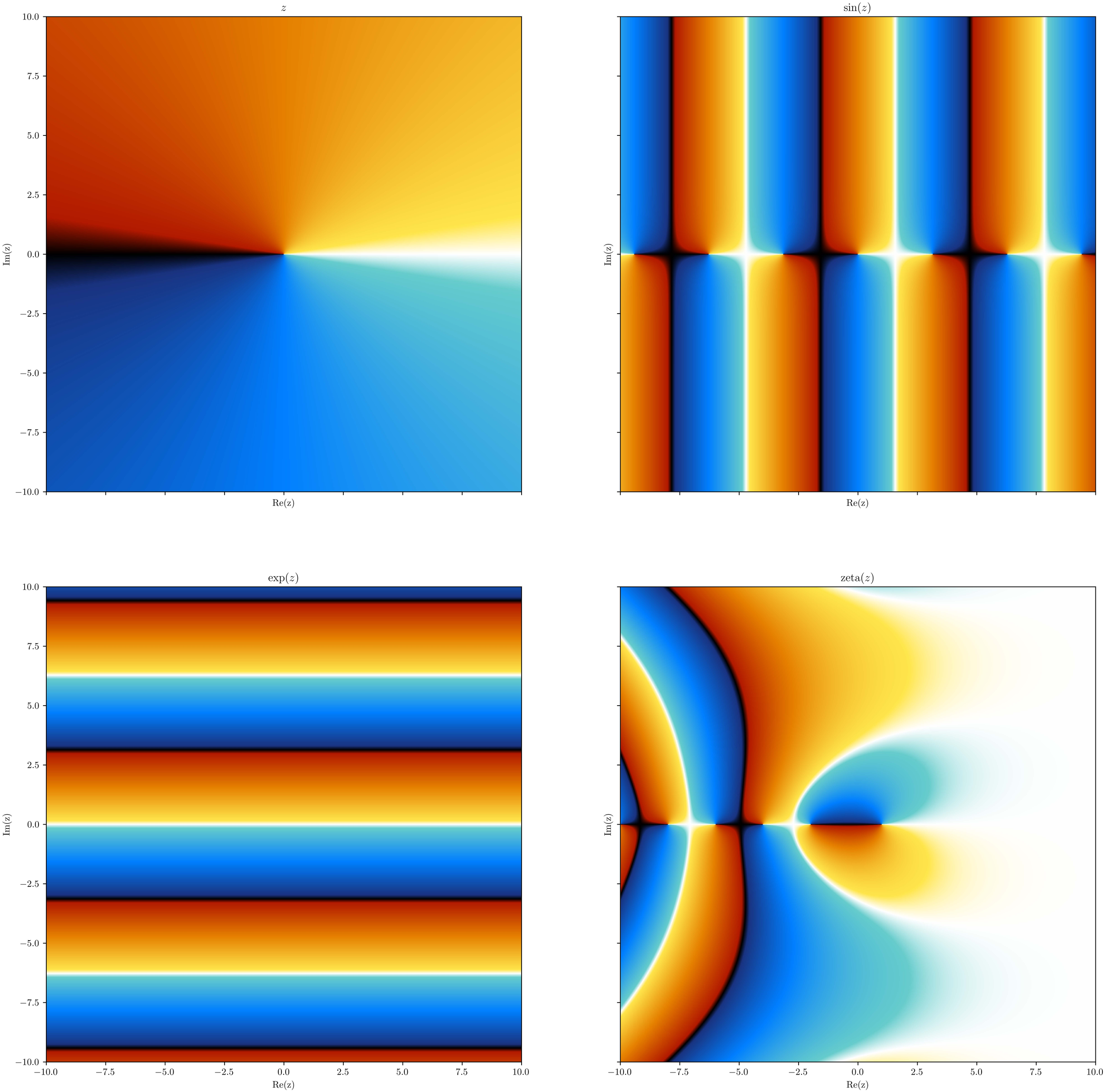
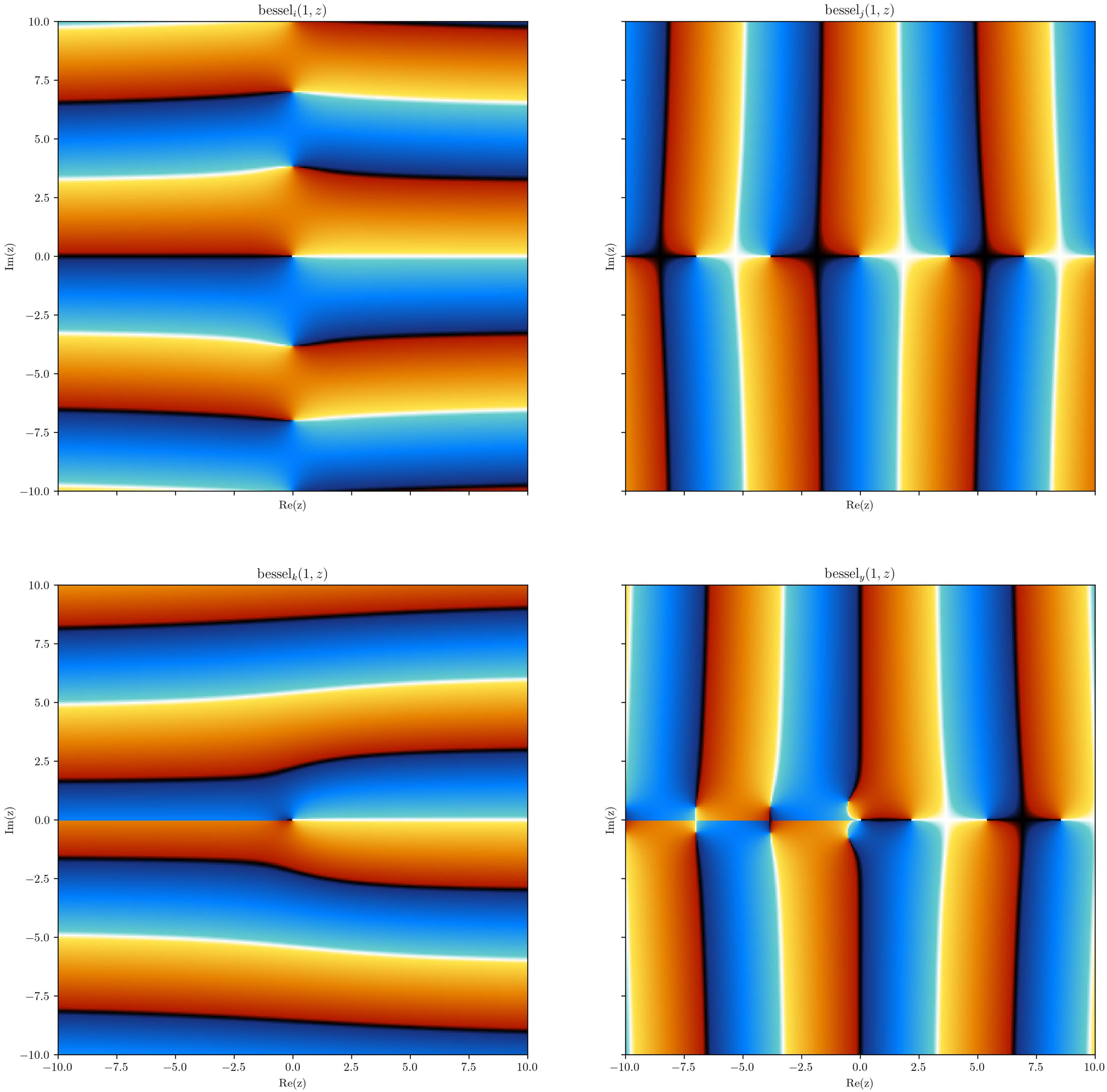
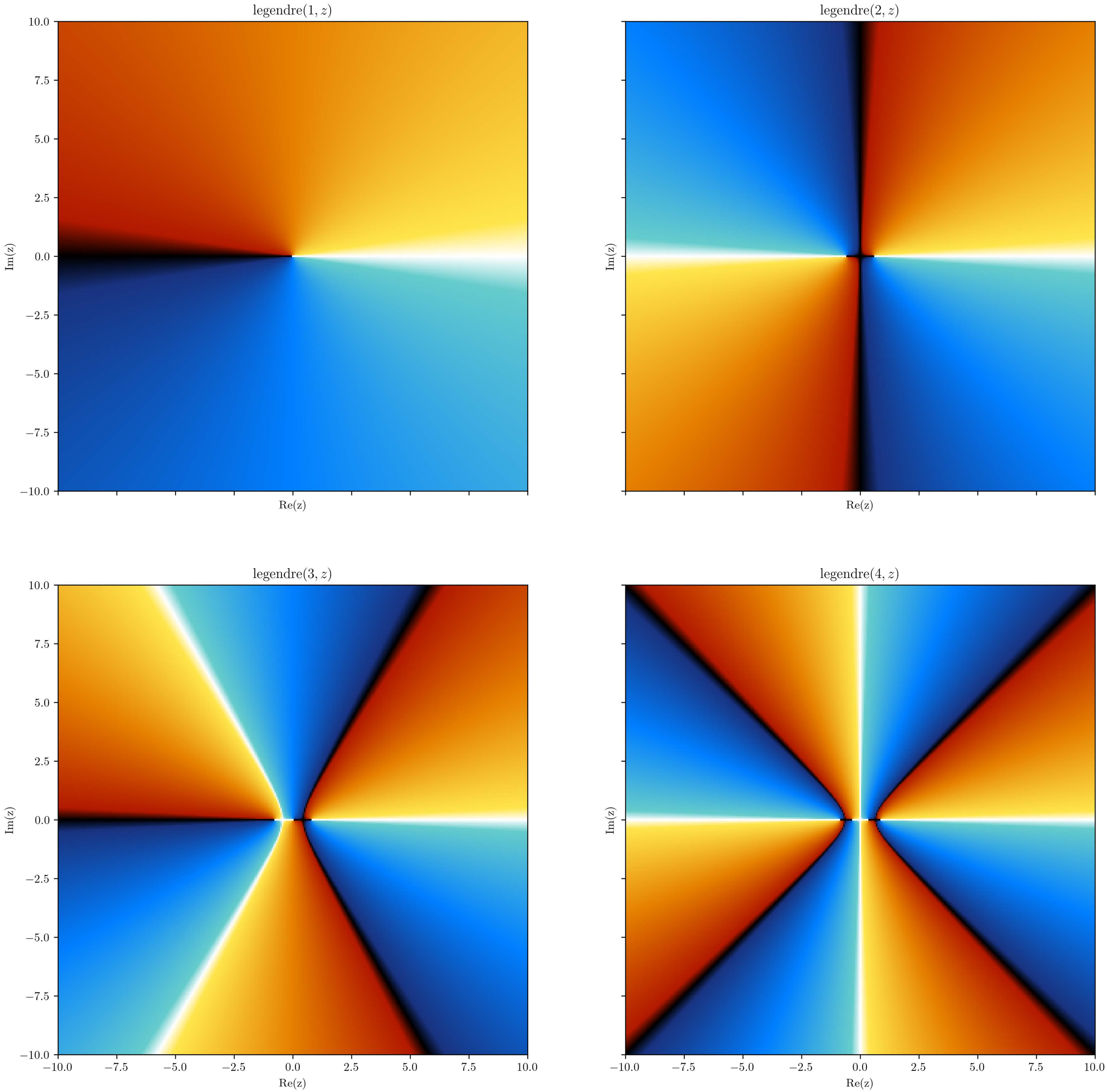
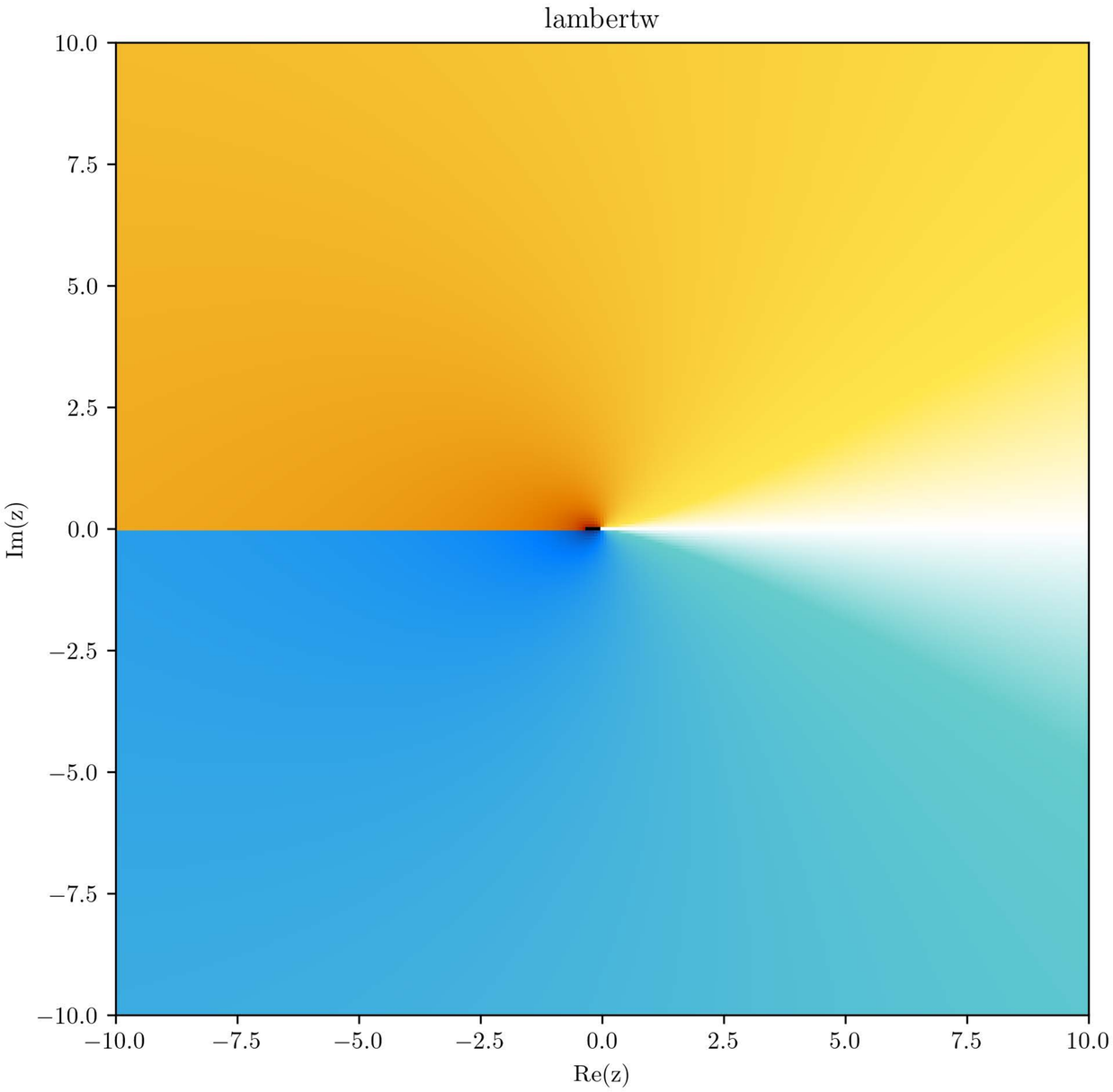
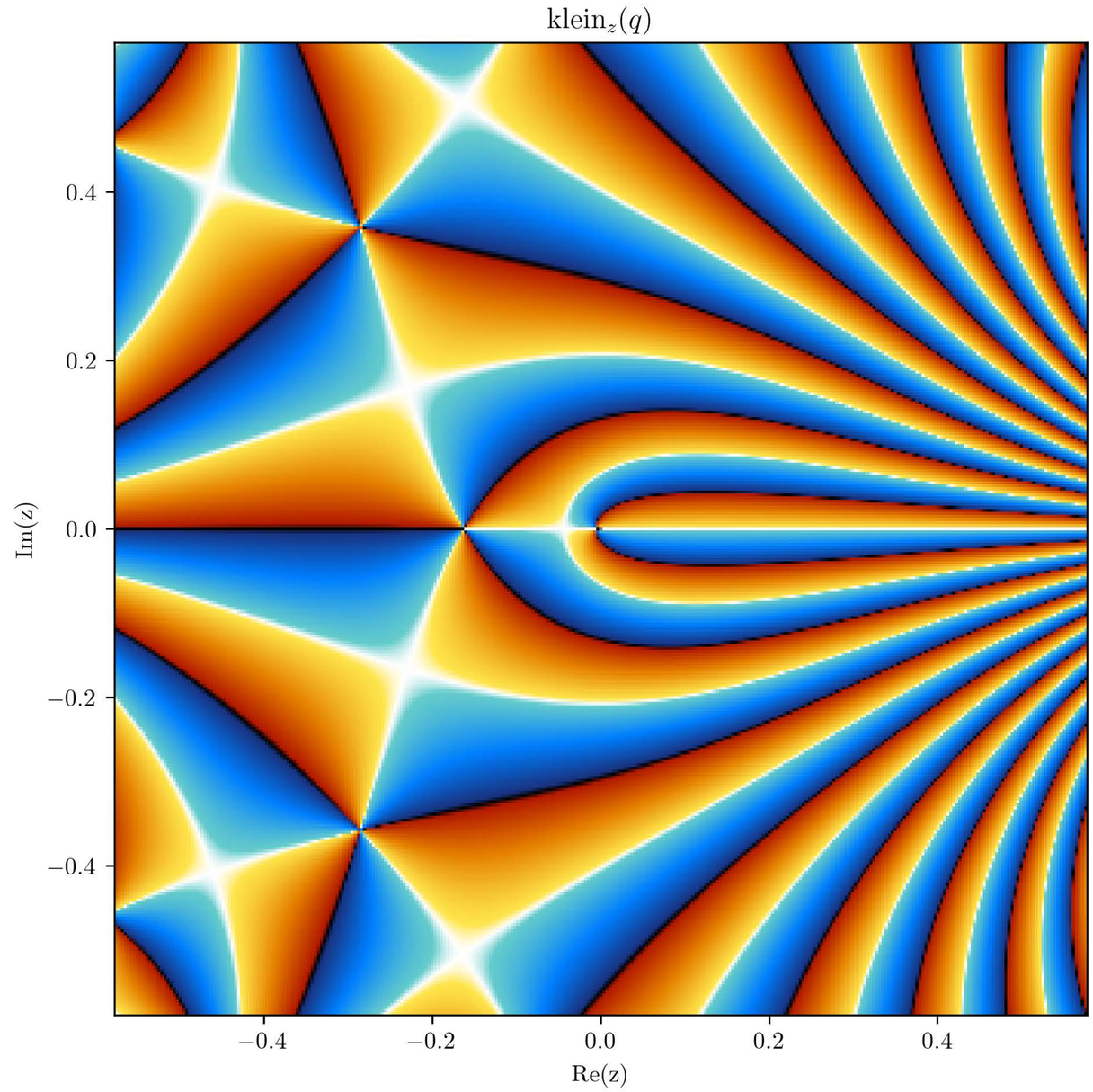
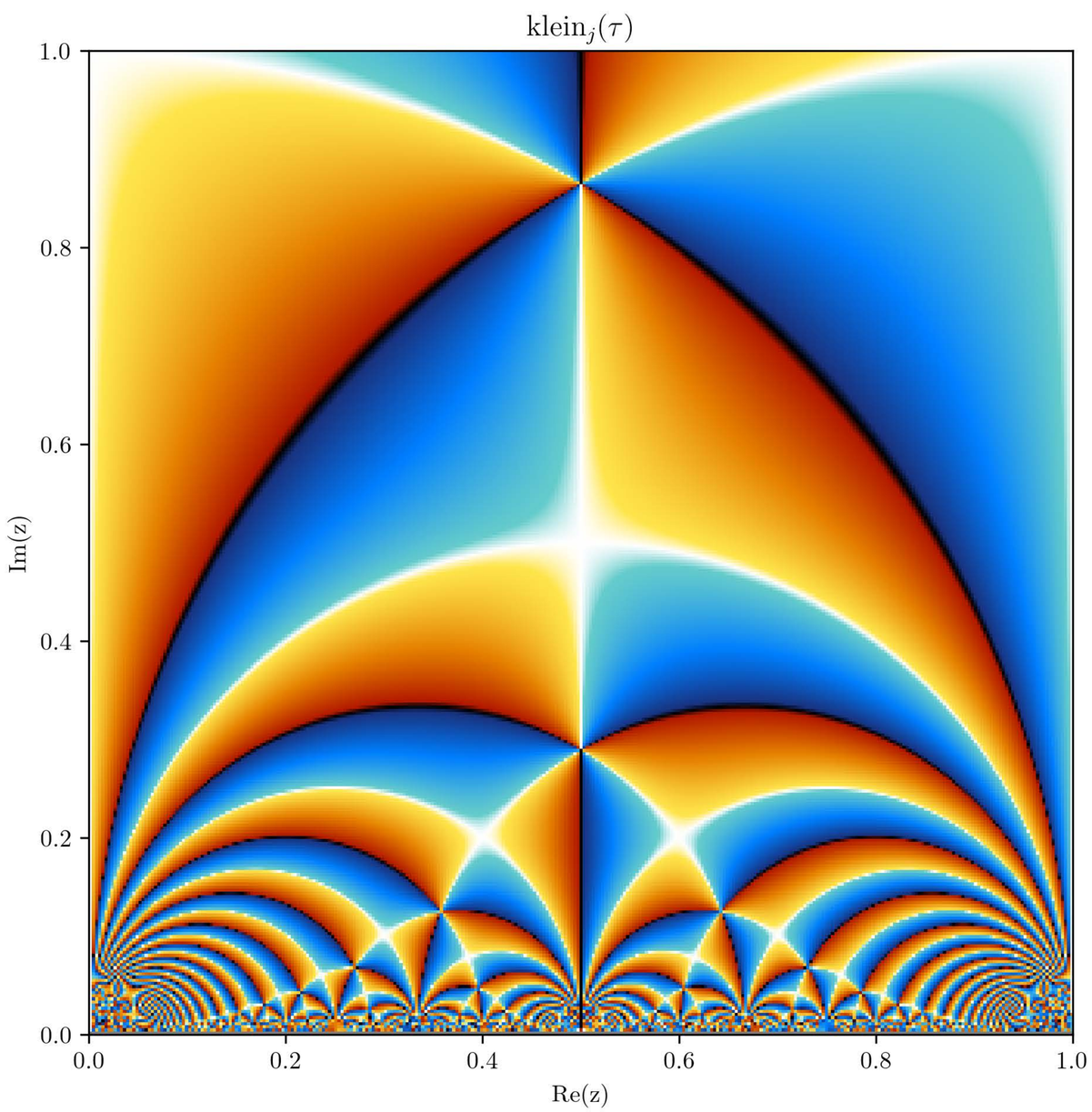

z
$\sin(z)$
$\exp(z)$
zeta(z)
Im(z)
Re(z)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0

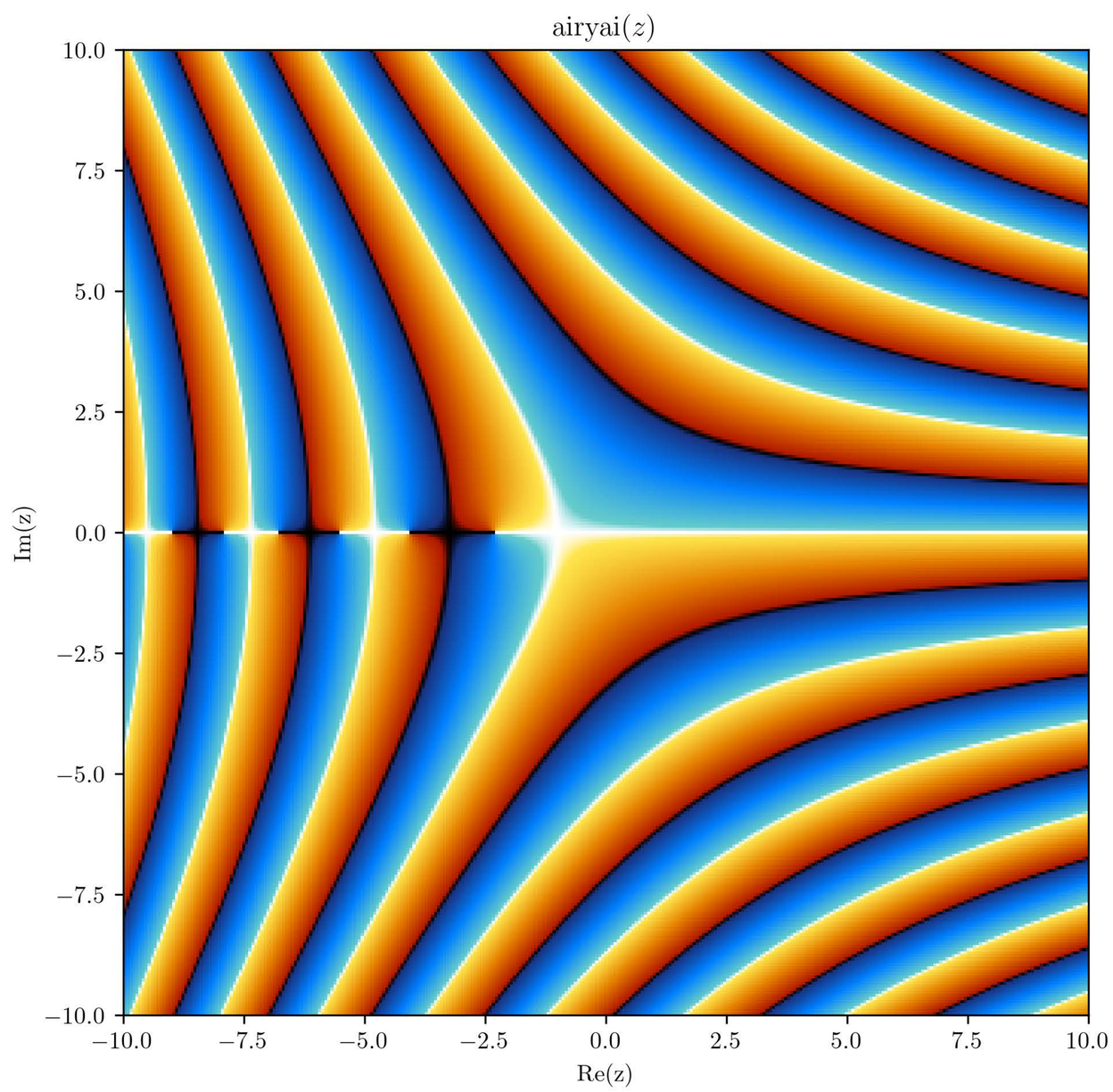

$\mathrm{bessel}_i(1, z)$
$\mathrm{bessel}_j(1, z)$
$\mathrm{bessel}_k(1, z)$
$\mathrm{bessel}_y(1, z)$
Im(z)
Re(z)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0

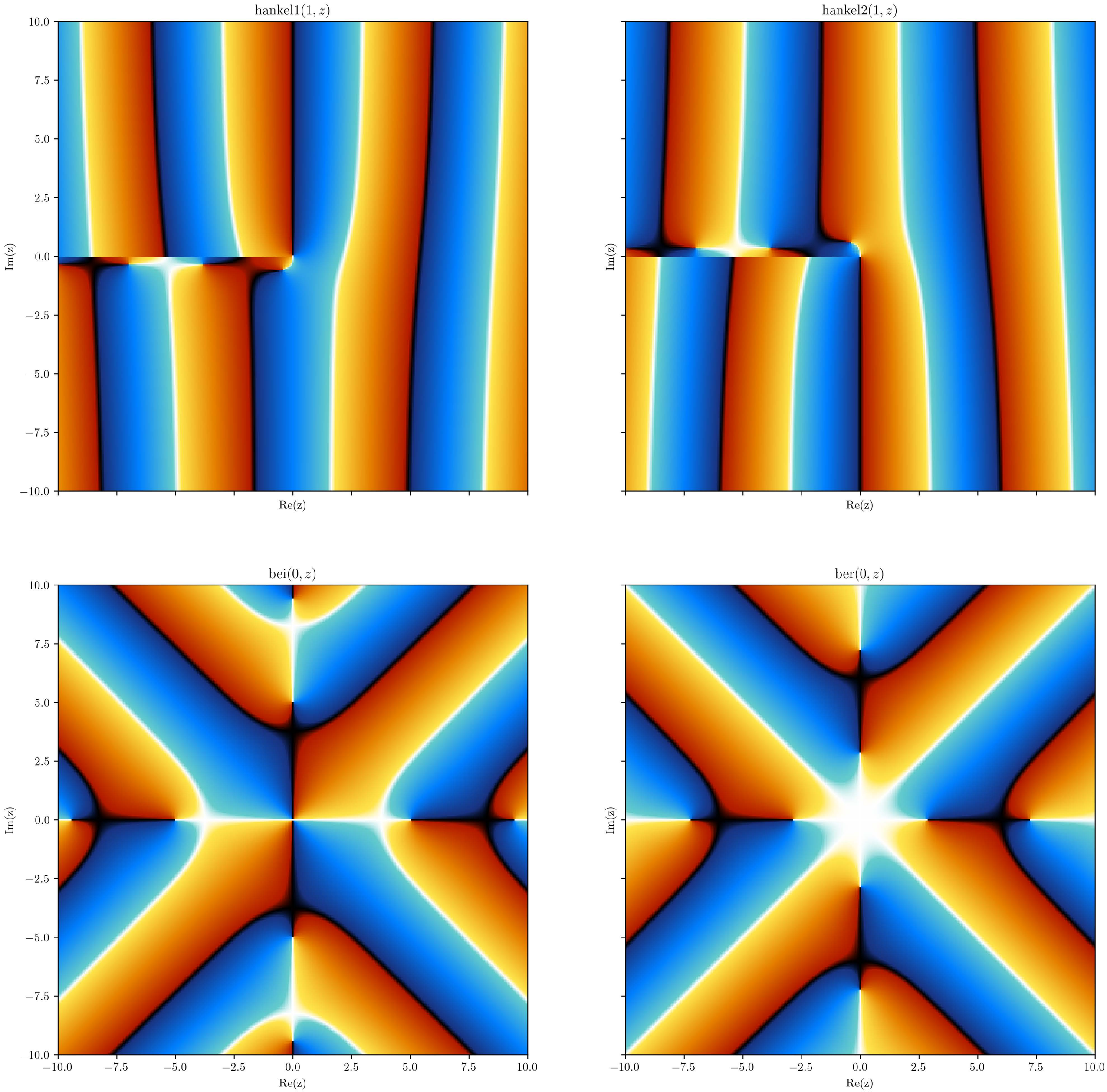

legendre(1, z)
legendre(2, z)
legendre(3, z)
legendre(4, z)
Im(z)
Re(z)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0

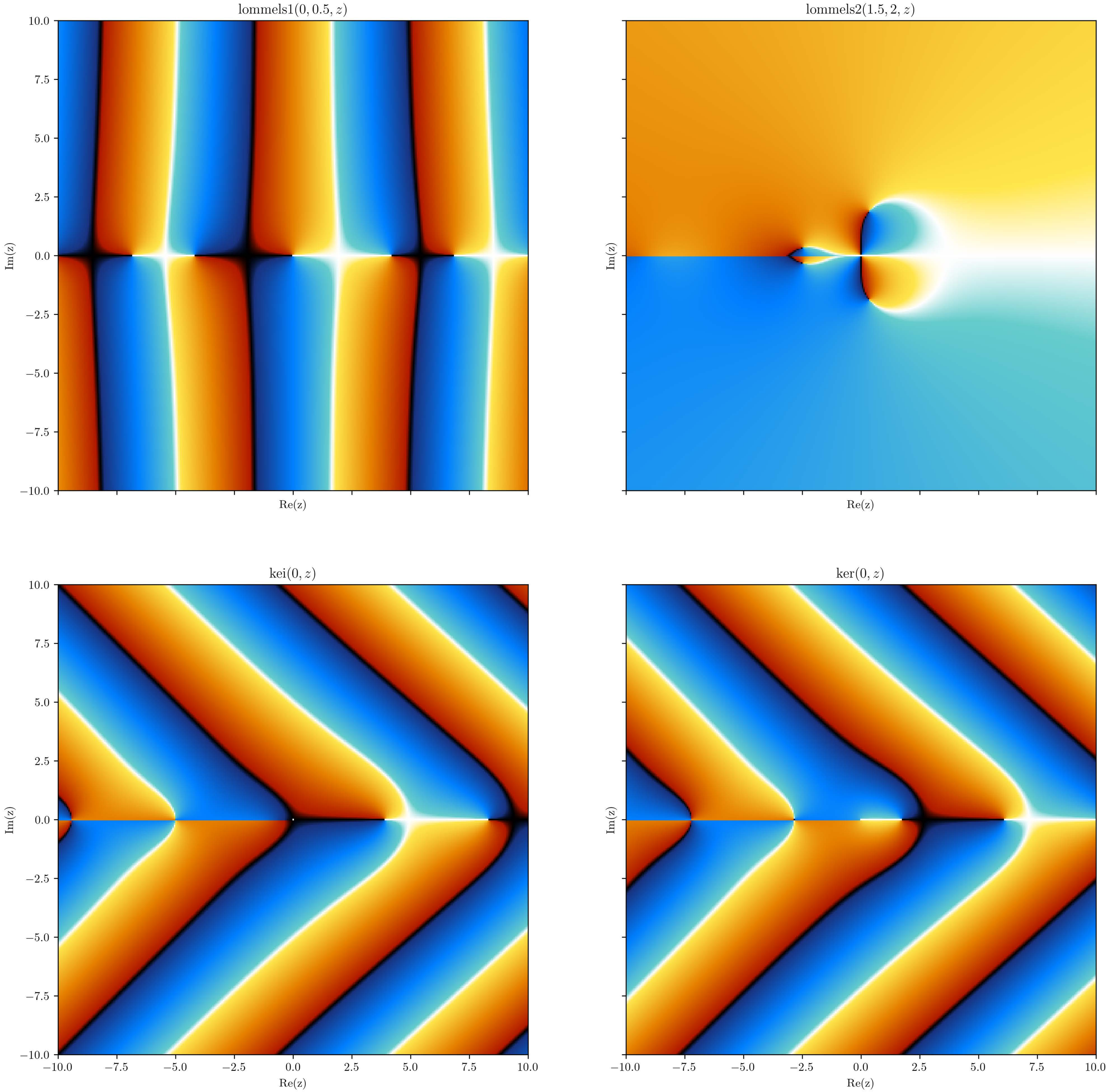

lambertw
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
Im(z)
−10.0
−7.5
−5.0
−2.5
0.0
2.5
5.0
7.5
10.0
Re(z)

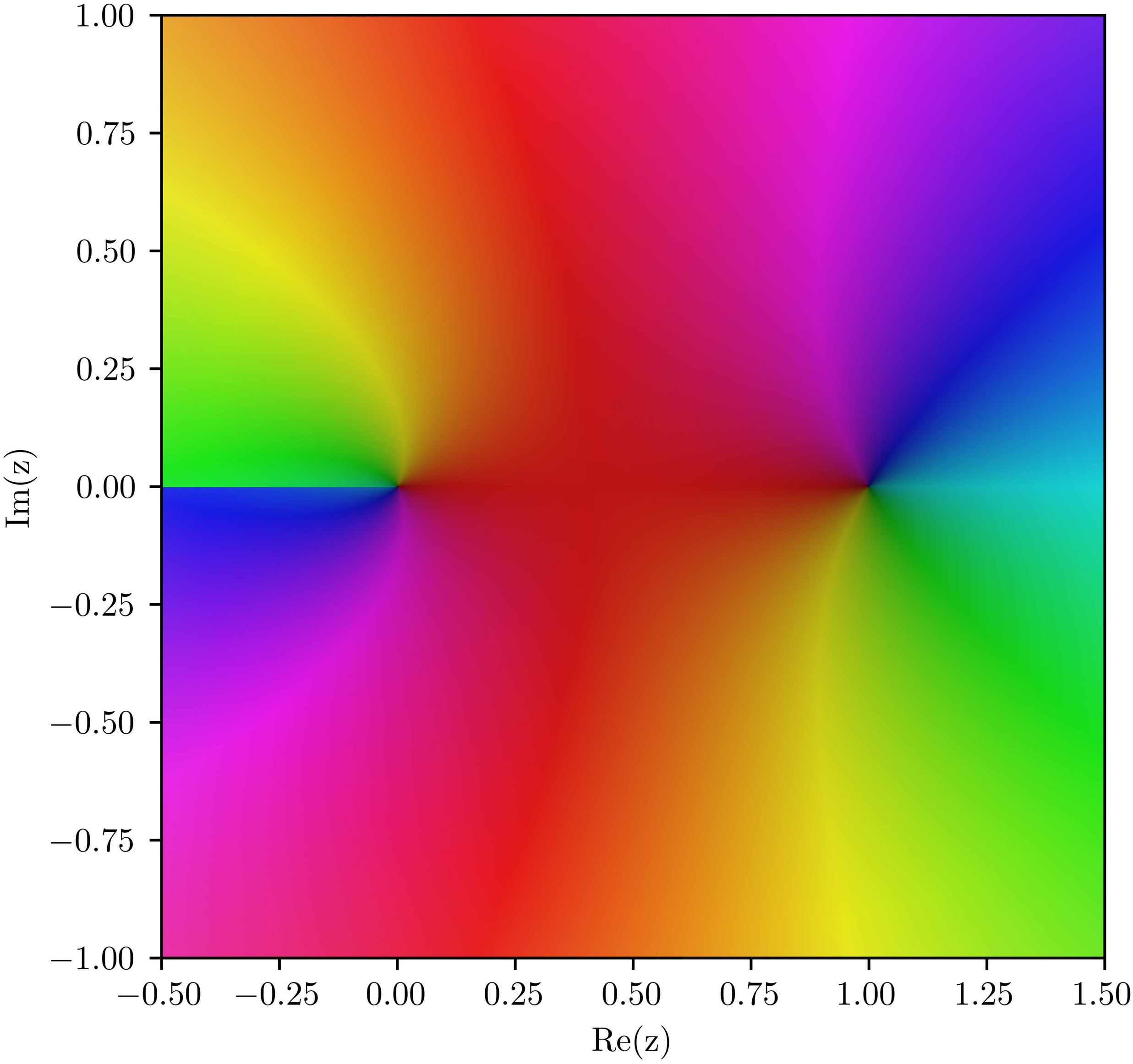

klein$_z(q)$
0.4
0.2
0.0
−0.2
−0.4
Im(z)
−0.4
−0.2
0.0
0.2
0.4
Re(z)

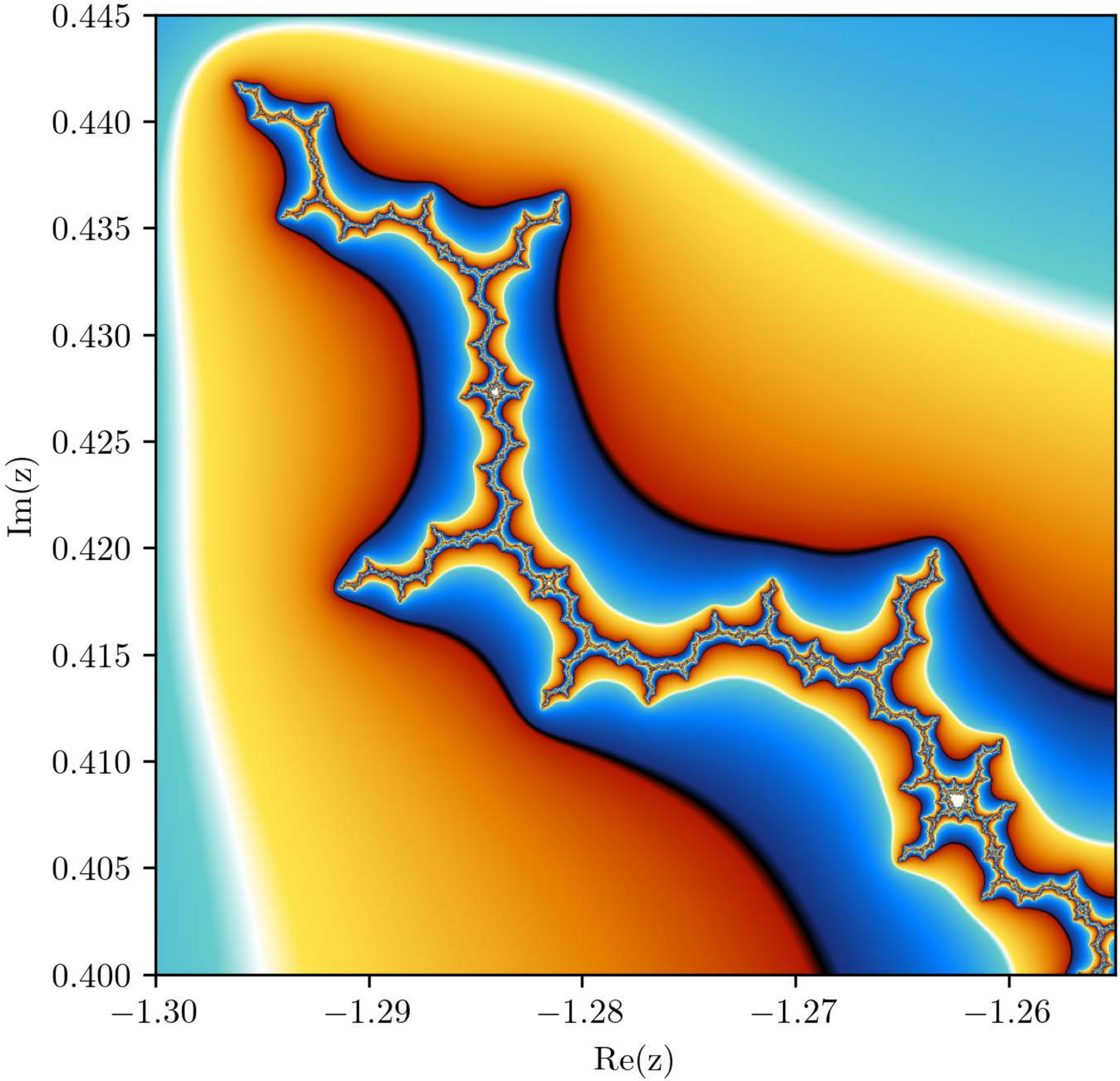

klein$_j(\tau)$
1.0
0.8
0.6
0.4
0.2
0.0
Im(z)
0.0
0.2
0.4
0.6
0.8
1.0
Re(z)

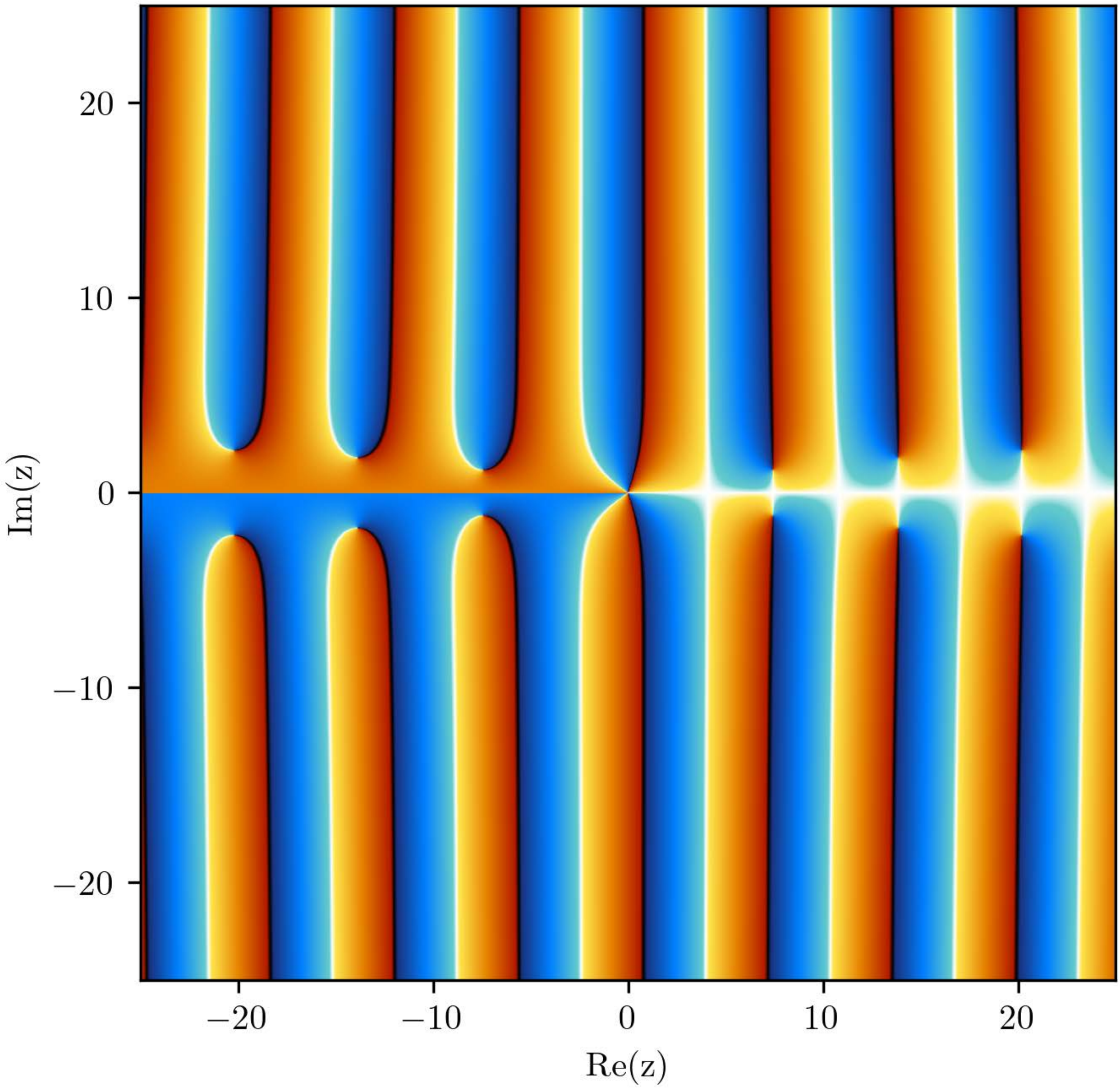

airyai(z)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
Im(z)
−10.0
−7.5
−5.0
−2.5
0.0
2.5
5.0
7.5
10.0
Re(z)

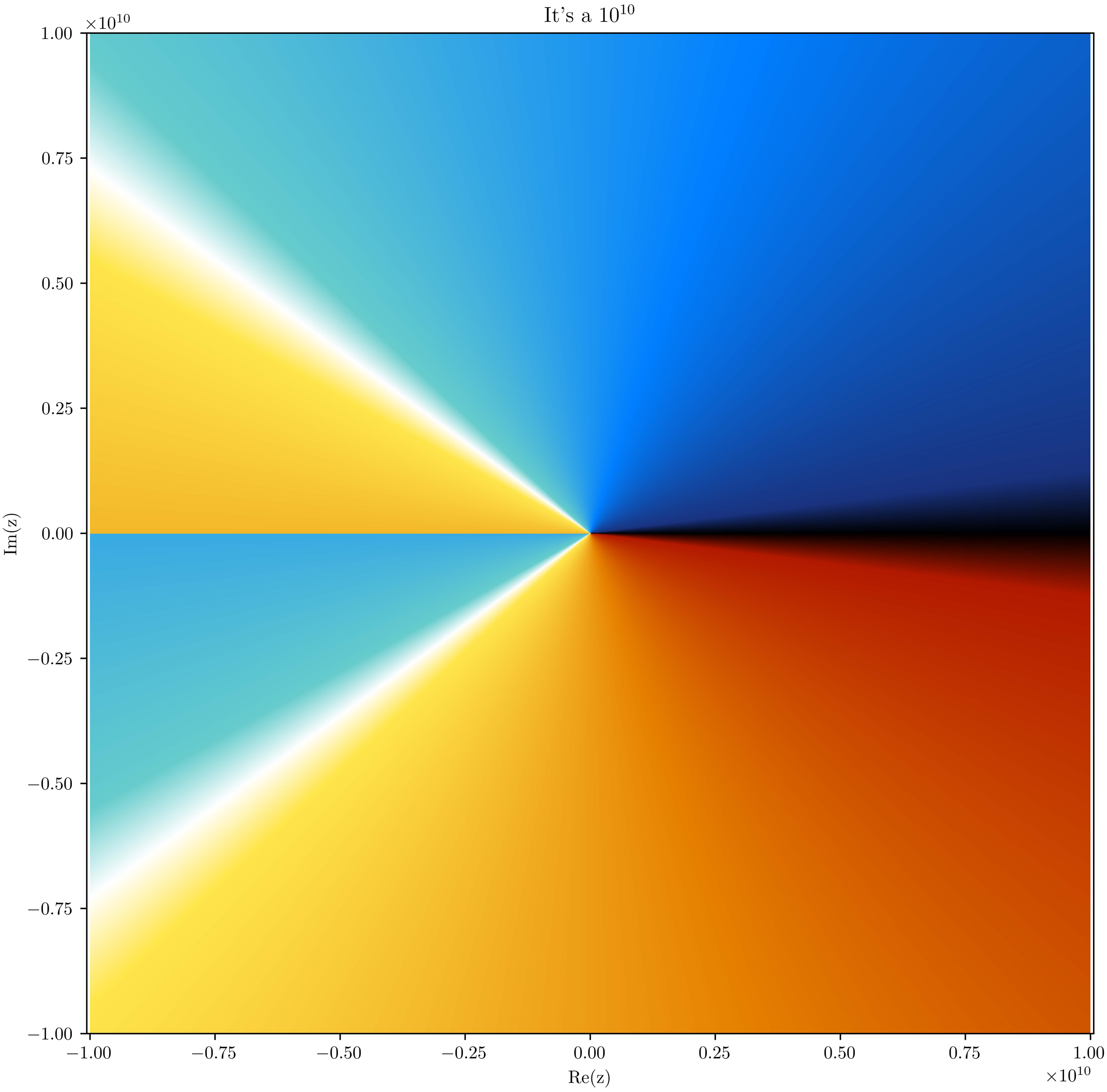

hankel1(1, z)
hankel2(1, z)
bei(0, z)
ber(0, z)
Im(z)
Re(z)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0


lommels1(0, 0.5, z)
lommels2(1.5, 2, z)
kei(0, z)
ker(0, z)
Im(z)
Re(z)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0


1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
Im(z)
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
1.25
1.50
Re(z)

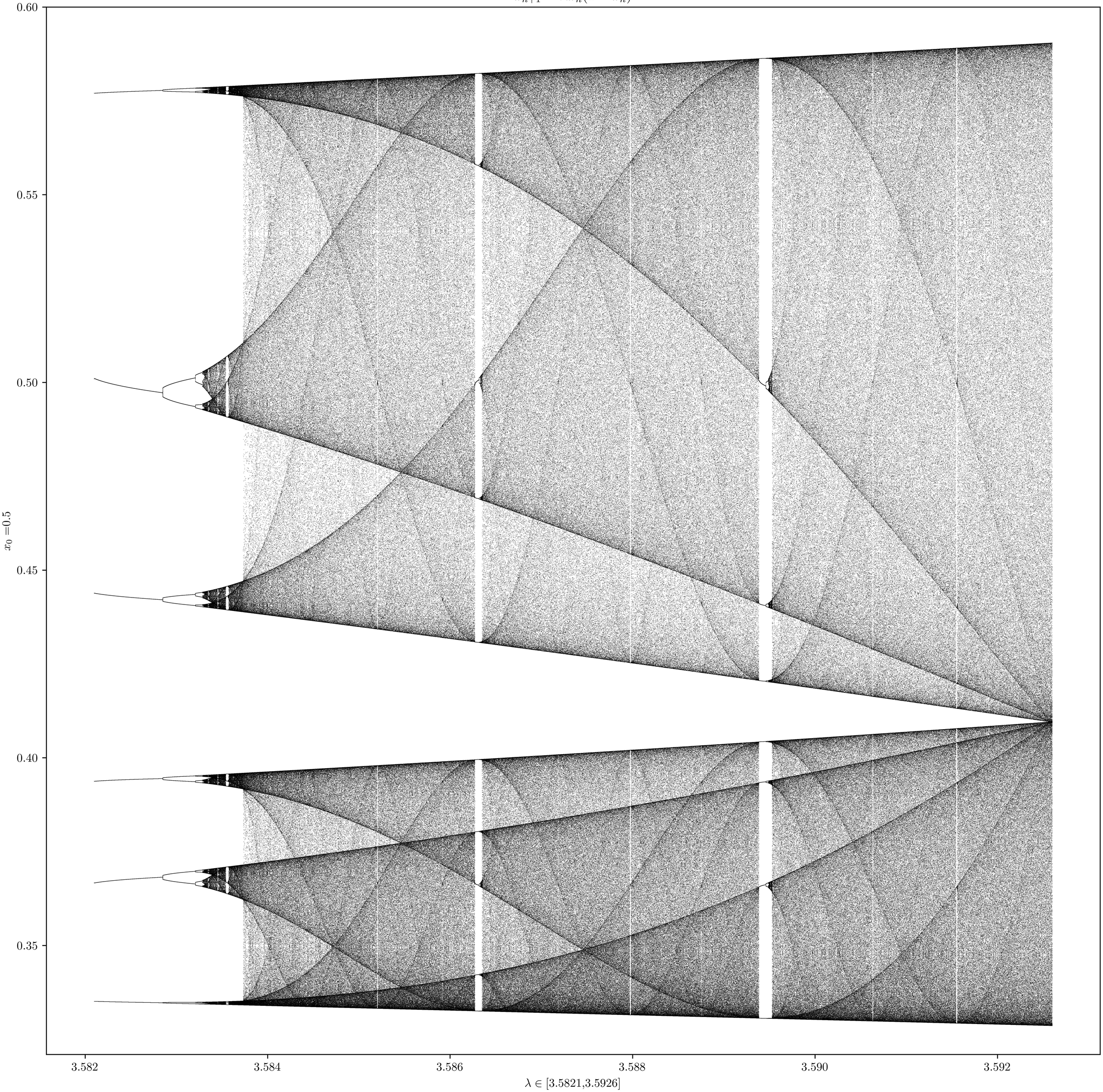

0.445
0.440
0.435
0.430
0.425
0.420
0.415
0.410
0.405
0.400
Im(z)
−1.30
−1.29
−1.28
−1.27
−1.26
Re(z)

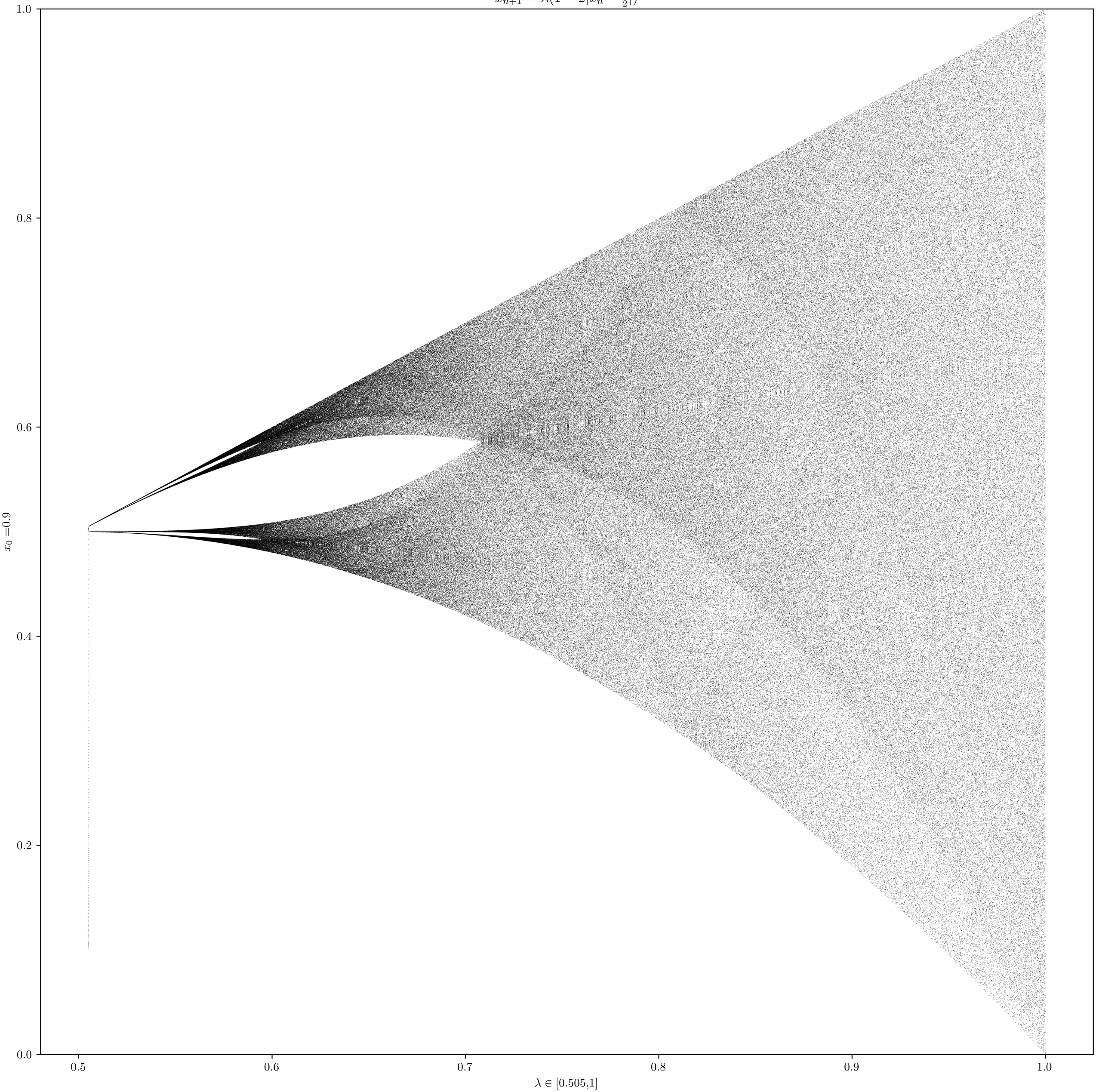

20
10
0
−10
−20
Im(z)
−20
−10
0
10
20
Re(z)


It's a 10^{10}
$\times 10^{10}$
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
Im(z)
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
Re(z)
$\times 10^{10}$

Logistic Map

$x_{n+1} = \lambda x_n(1 - x_n)$



Absolute Map

$x_{n+1} = \lambda(1 - 2|x_n - \frac{1}{2}|)$