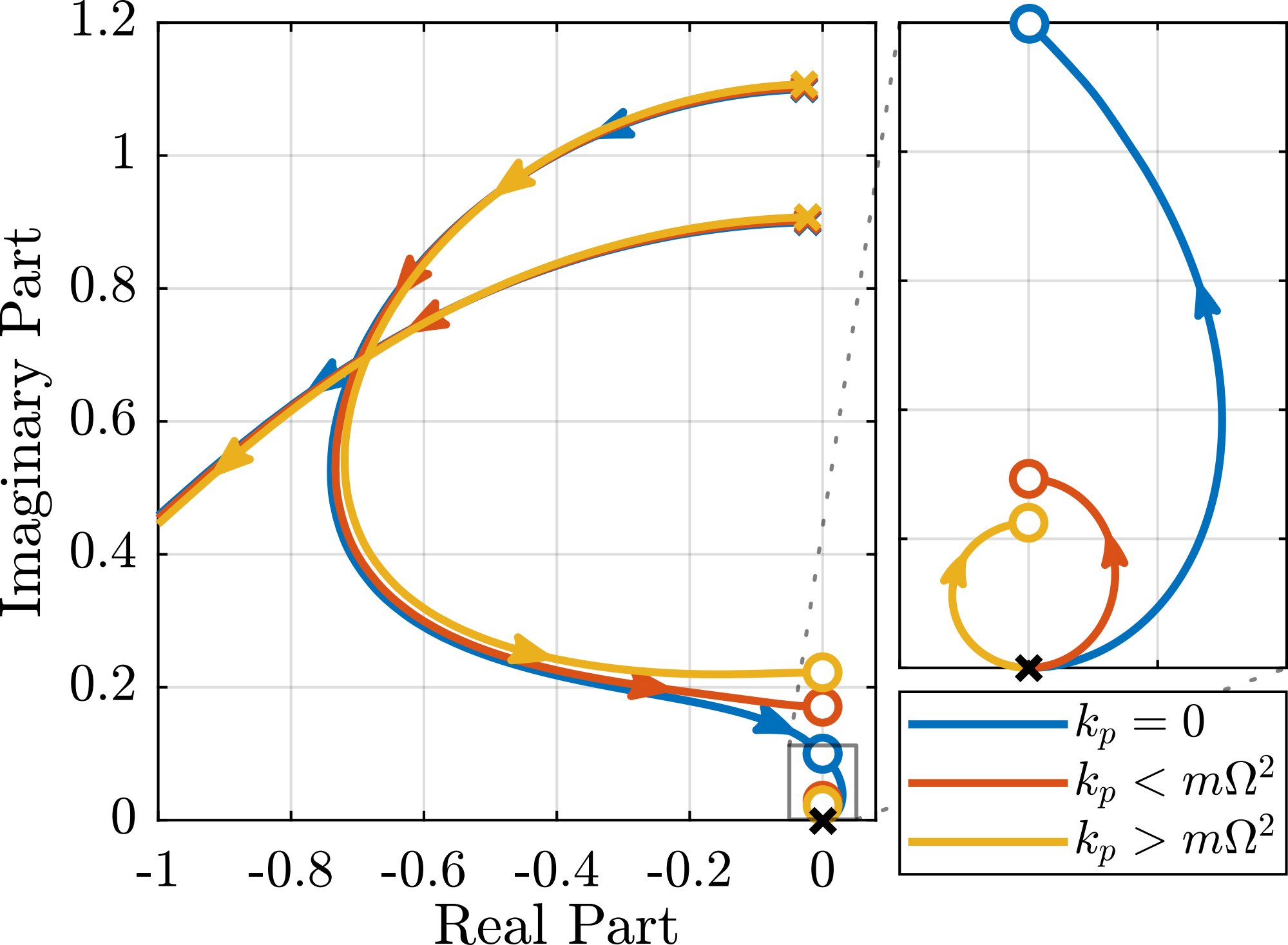
1.2
1
0.8
0.6
0.4
0.2
0
-1
-0.8
-0.6
-0.4
-0.2
0
Imaginary Part
Real Part
$k_p = 0$
$k_p < m\Omega^2$
$k_p > m\Omega^2$