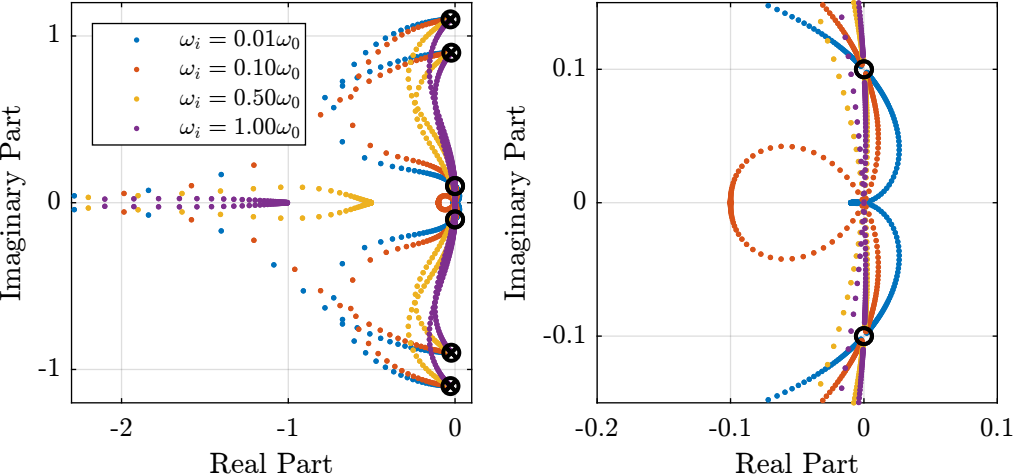
$\omega_i = 0.01\omega_0$
$\omega_i = 0.10\omega_0$
$\omega_i = 0.50\omega_0$
$\omega_i = 1.00\omega_0$
Imaginary Part
Real Part
1
0
-1
-2
-1
0
0.1
0
-0.1
-0.2
-0.1
0
0.1