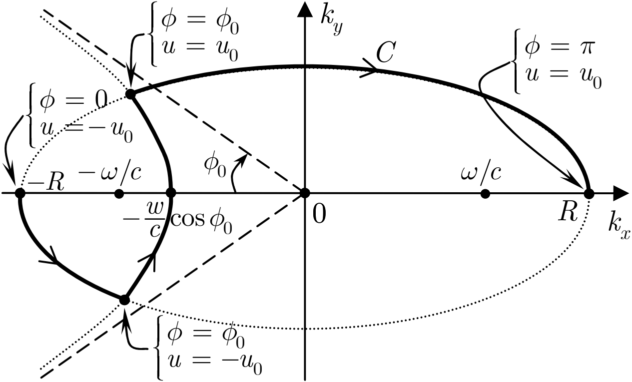
$\phi = \phi_0$
$u = u_0$
k_y
C
$\phi = \pi$
$u = u_0$
$\phi = 0$
$u = -u_0$
ϕ_0
$-R$
$-\omega/c$
ω/c
$-\frac{w}{c}\cos\phi_0$
0
R
k_x
$\phi = \phi_0$
$u = -u_0$