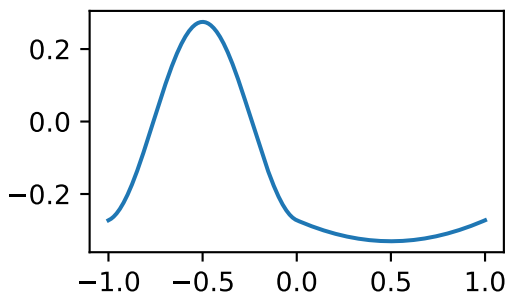
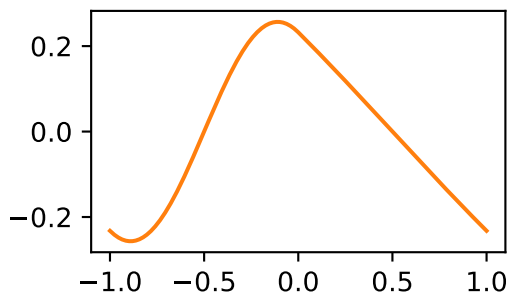
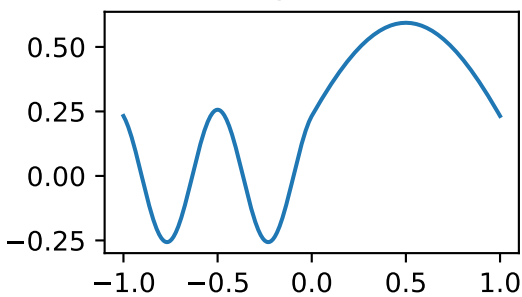
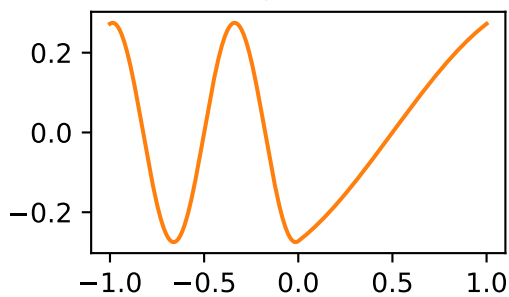
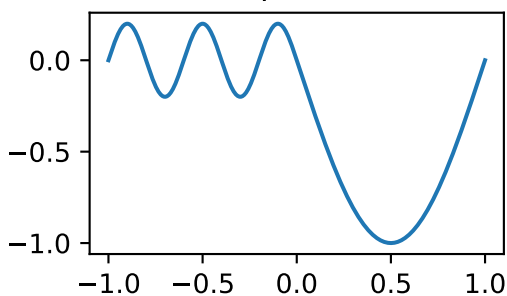
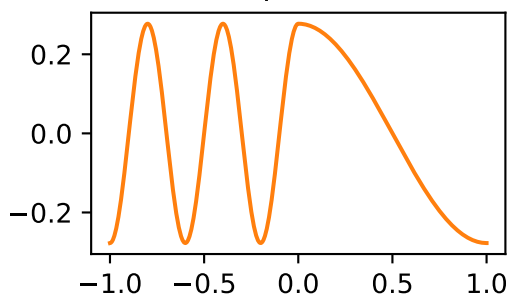
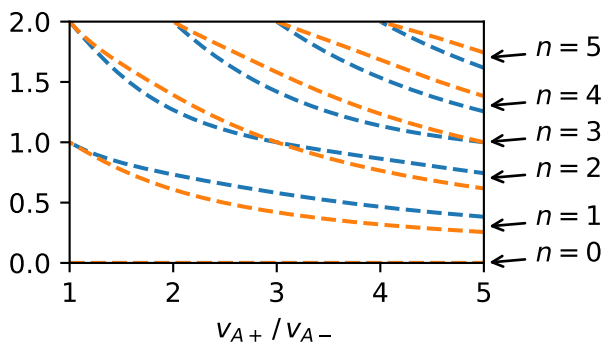


$\phi_1(z)$  $\phi_1(z)$  $\phi_2(z)$  $\phi_2(z)$  $\phi_3(z)$  $\phi_3(z)$  z/L_z z/L_z 

$\omega_n / (\pi v_{A+} \cos(\alpha) / L_z)$
 $\varpi_n / (\pi v_{A+} \cos(\alpha) / L_z)$

 $v_{A-} = v_{A+} / 5.0$