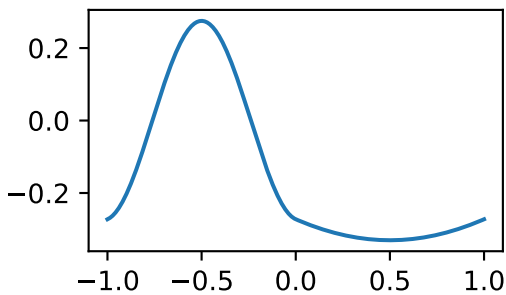
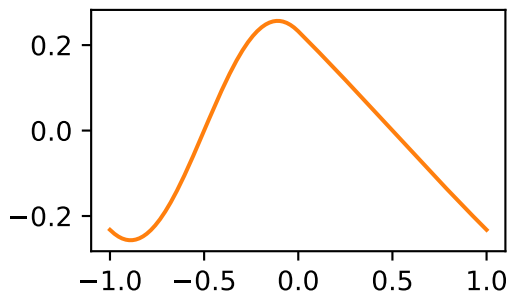
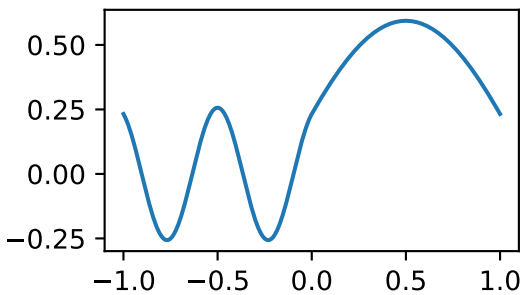
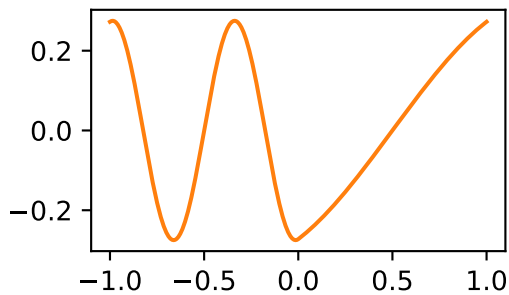
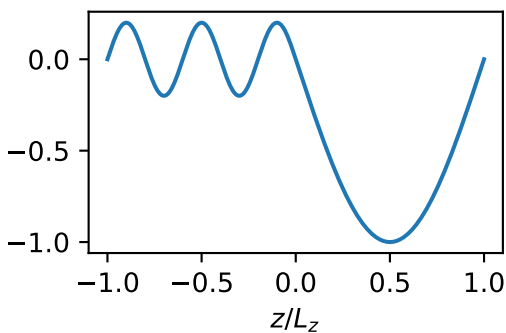
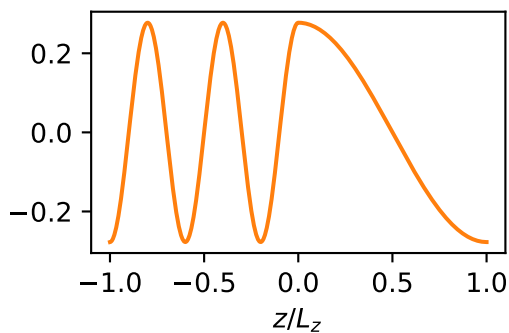
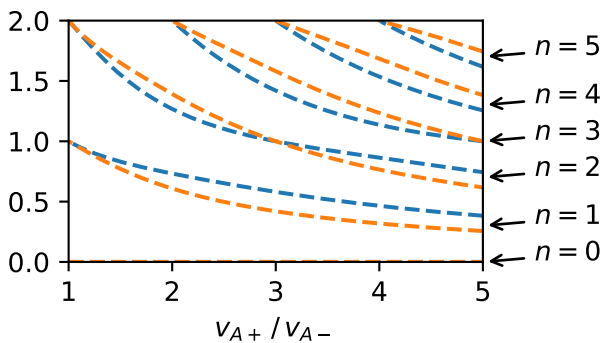


$\phi_1(z)$  $\phi_1(z)$  $\phi_2(z) / (\sqrt{L_z}/v_{A+})$  $\phi_2(z)$  $\phi_3(z)$  $\phi_3(z)$  z/L_z z/L_z 

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

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