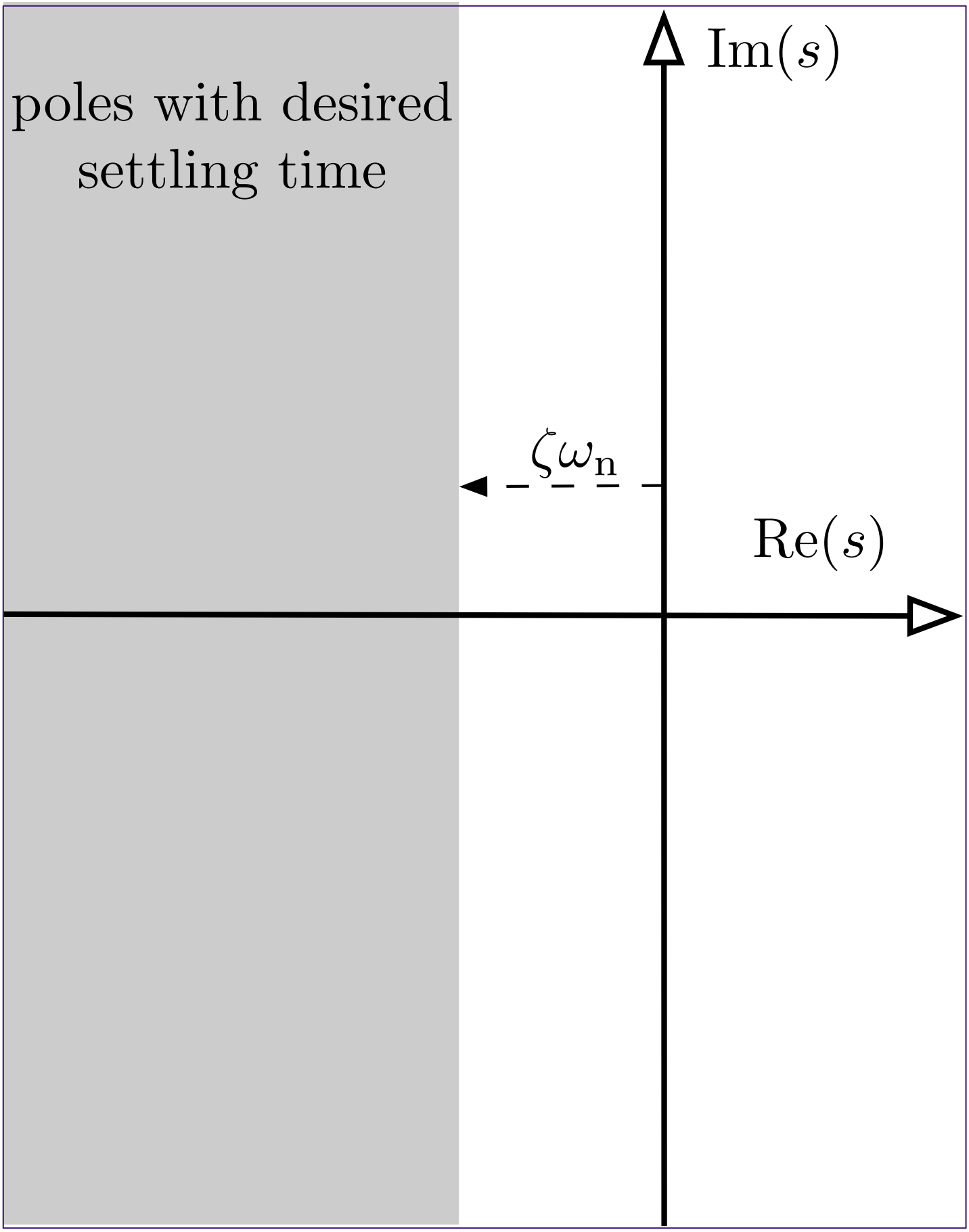
poles with desired settling time
Im(s)
$\zeta\omega_{\mathrm{n}}$
Re(s)