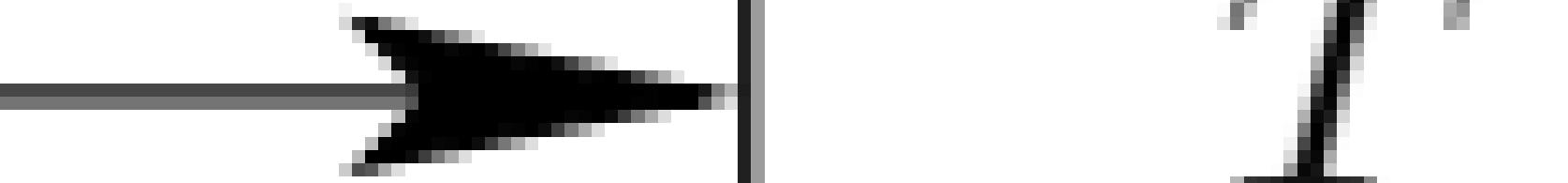


$\omega_c(t)$  $\omega_v(t)$