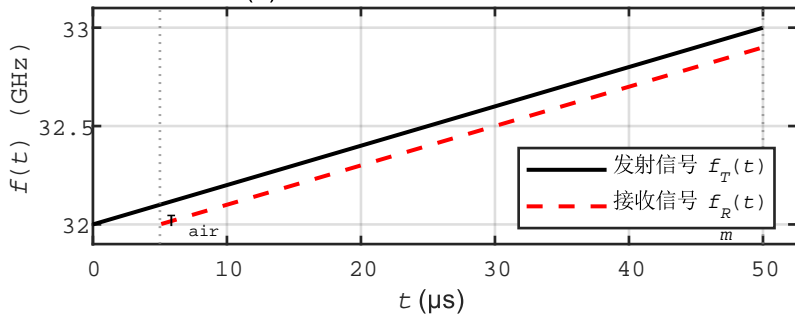


(a) 无色散（纯空气）：瞬时频率



(b) 差频信号: $f_D = K T_{\text{air}} = 100 \text{ MHz}$ (恒定)

