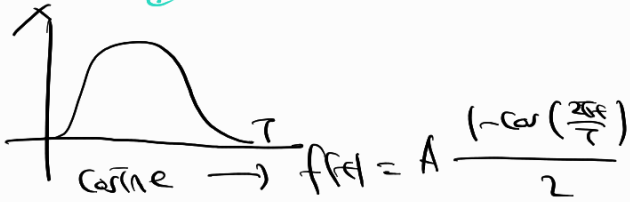
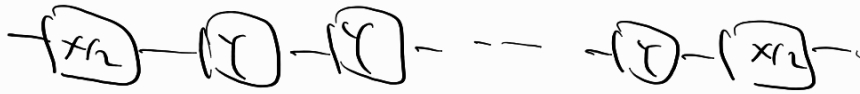


gültig für LQ (mit modat)

dynamical decoupling

1. CPMG / CP



$$\Rightarrow f(f) \cos(\omega_d t + \phi) G_x = f(f) \frac{e^{i(\omega_d t + \phi)} + e^{-i(\omega_d t + \phi)}}{2} (G_+ + G_-)$$

$$\xrightarrow{\text{Relative Error}} \frac{f(f)}{2} (G_+ e^{-i\phi} + G_- e^{i\phi})$$

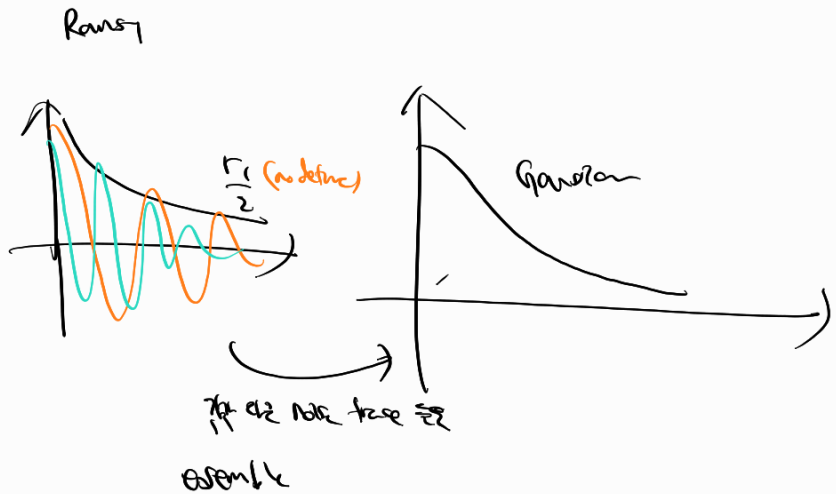
$$\phi = 0 \Rightarrow X_r$$

$$\phi = \frac{\pi}{2} \Rightarrow Y_r$$

2. dephasing

noise trace $n(f) G_z$

marking noise $\sqrt{\frac{1}{2}} G_z$



noise trace $n(f)$

character noise $n(f) \dots$?

Electronic Noise Ch 2, 3, 4

Ambrosz

$1/f$ noise