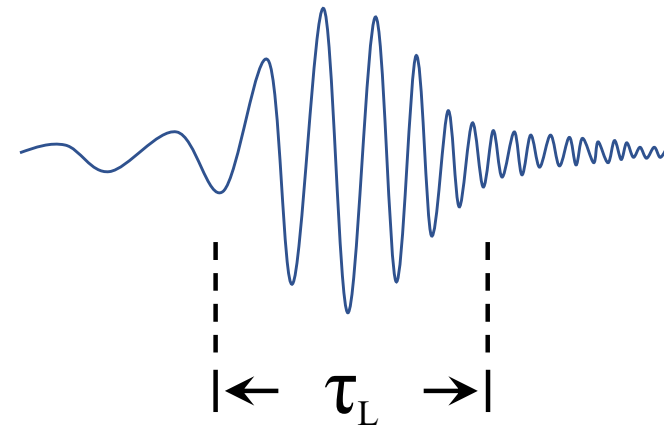
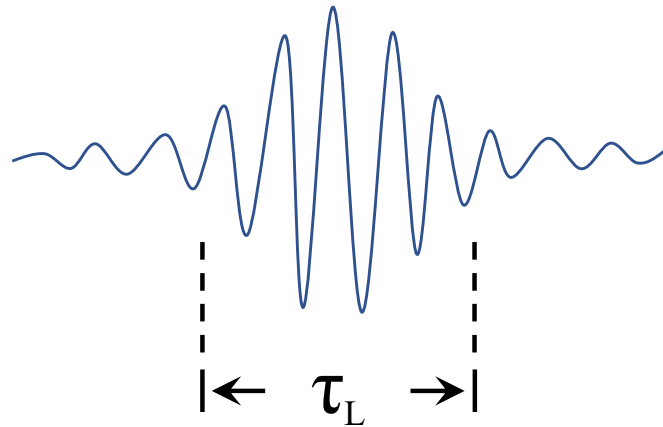


2. Group Delay Dispersion



$$\mathcal{F}\left[\text{Gaussian} \times \text{High-Frequency Oscillation} \right]$$

$$\mathcal{F}\left[\text{Gaussian} \times \text{Low-Frequency Oscillation} \right]$$

$$\mathcal{F}\left[e^{-t^2} \times e^{-i \cdot t} \right] \propto e^{-\frac{(\omega-1)^2}{4}}$$

$$\mathcal{F}\left[e^{-t^2} \times e^{-i \cdot t^2} \right] \propto e^{-\frac{\omega^2}{8}} \cdot e^{i\varphi(\omega)}$$

"Multicycle terahertz pulse generation by OR in LiNbO₃, LiTaO₃, and BBO crystals,"
Opt. Express 28, 21220-21235 (2020)