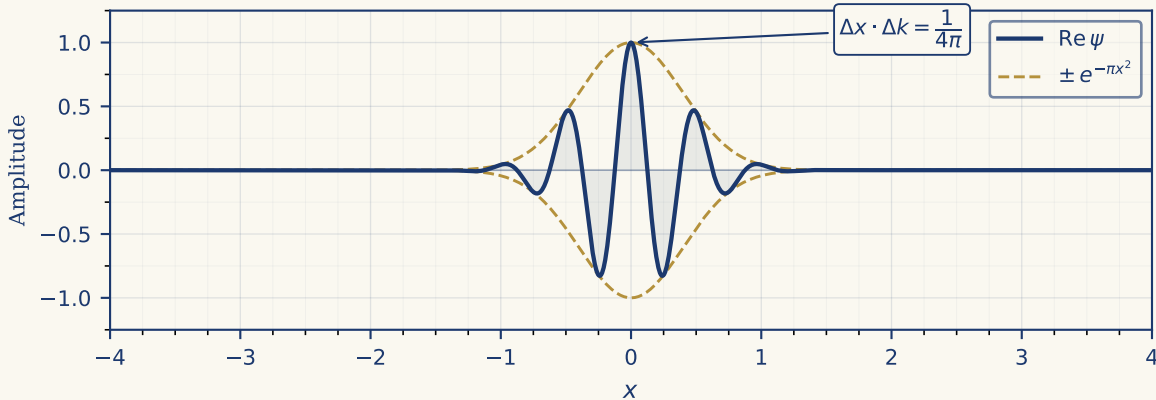


Gabor Wavelet $\psi_{a,b}(x) = a^{-1/2} e^{-\pi((x-b)/a)^2} e^{2\pi i f_0(x-b)}$

Real part: $\text{Re } \psi_{a,b}(x) = e^{-\pi x^2} \cos(2\pi f_0 x)$



Imaginary part: $\text{Im } \psi_{a,b}(x) = e^{-\pi x^2} \sin(2\pi f_0 x)$

