PACOTE DE ONDA PLANA

$$\Psi(z,0)=rac{1}{\sqrt[4]{2\pi\sigma_z^2}}\exp\left(ik_0z-rac{(z-z_0)^2}{4\sigma_z^2}
ight)$$

$$\Psi(z,t) = \int_{-\infty}^{+\infty} \left(\mathcal{F}[\Psi(z,0)] e^{-i\omega(k)t}
ight) \, e^{ikz} \, dk$$