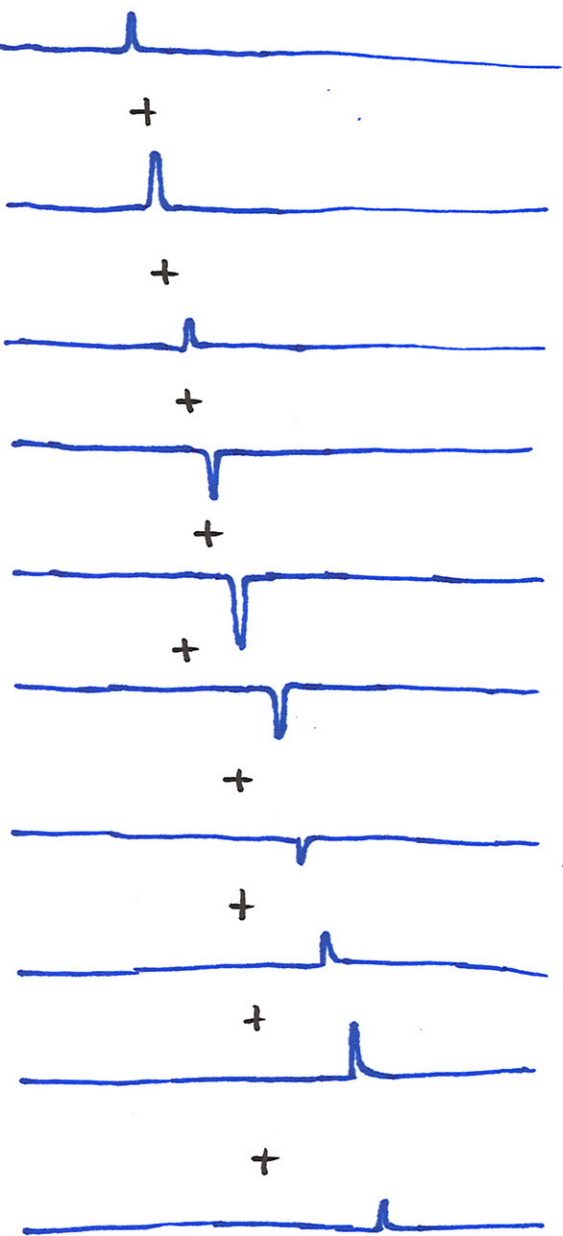
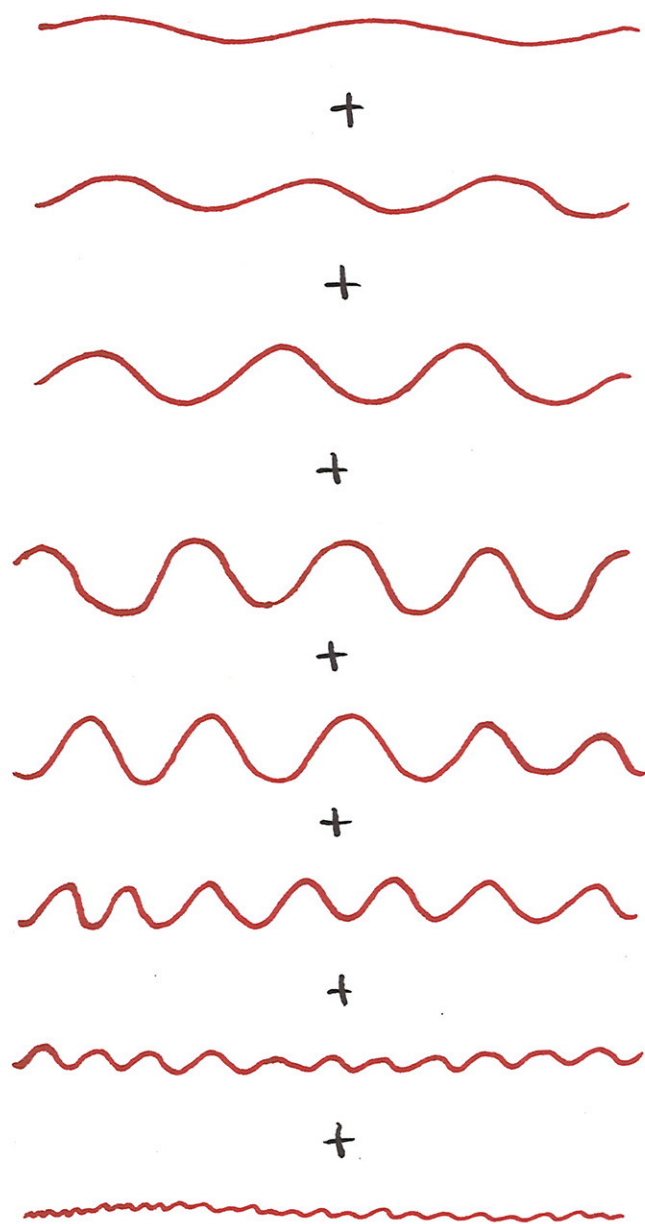


sum of position eigenstates



WAVE PACKET

sum of momentum eigenstates



$\chi(p)$ : amount of eigenstate  
w. momentum  $p$ .

$\psi(x)$ : amount of eigenstate  
w. position  $x$