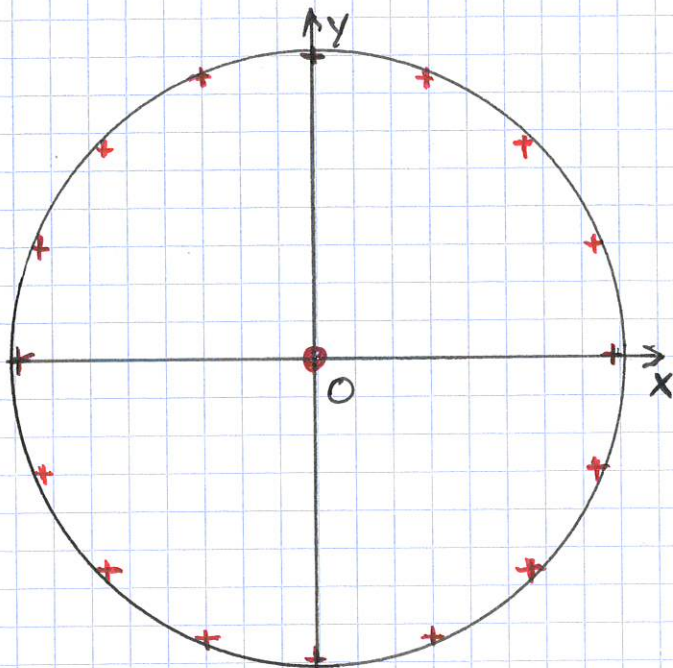


# fig 0a Sphere in two different frames of reference

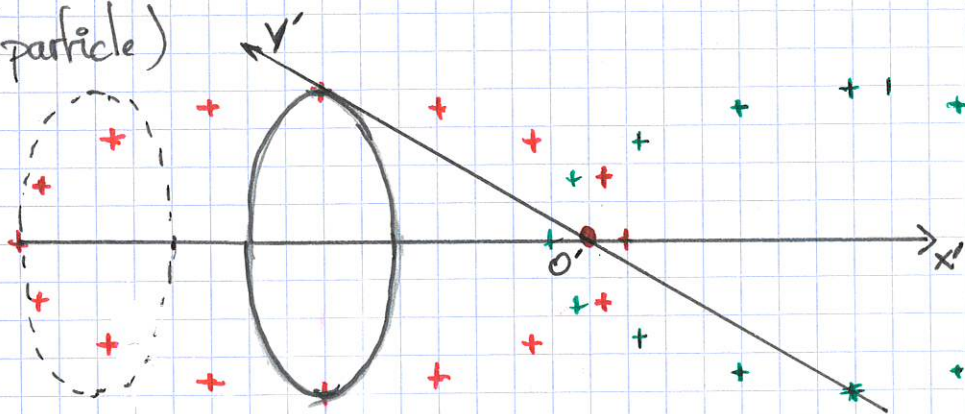
Ship (wave)



- + departure of the layers
- intersection of layers

Inside observer

Ship (particle)



$C+V$   $\rightarrow V$   $C-V$

Outside observer