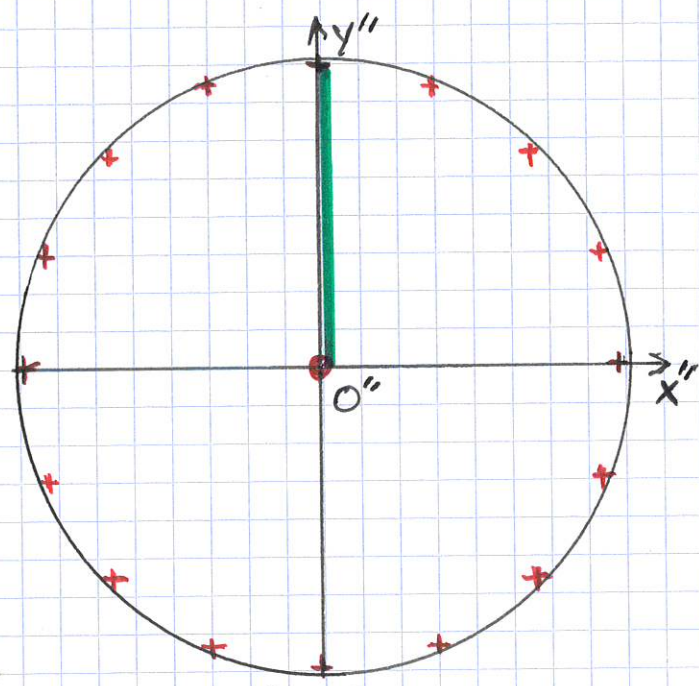


# fig 0a Sphere in two different frames of reference

Ship (wave)

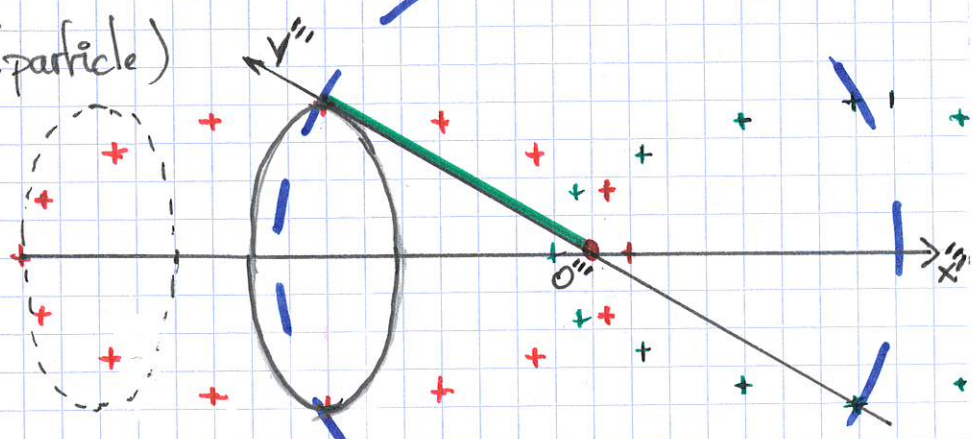


- + departure of the layers
- intersection of layers
- + arrival of layers

Inside observer

Ship (particle)

Wave



$\leftarrow \propto (c+v)$ 
 $\rightarrow V$ 
 $\propto (c-v) \rightarrow$

Outside observer