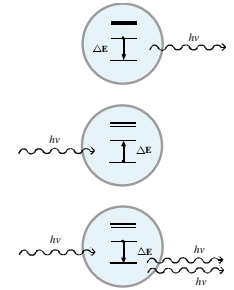
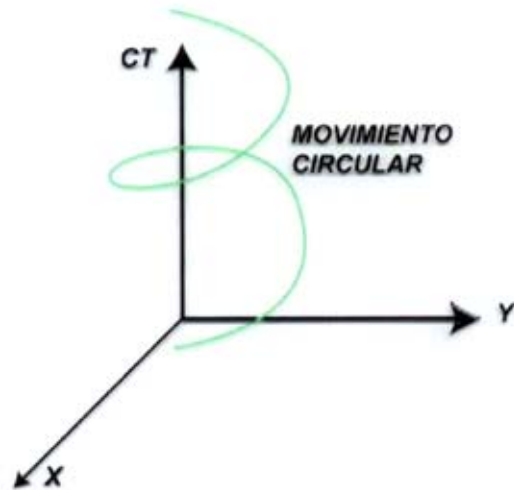
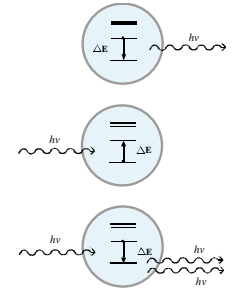
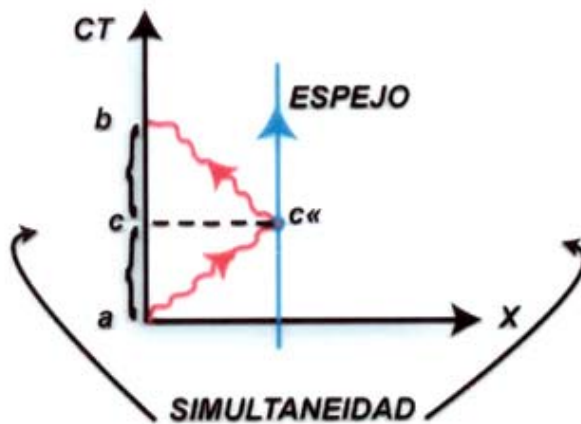
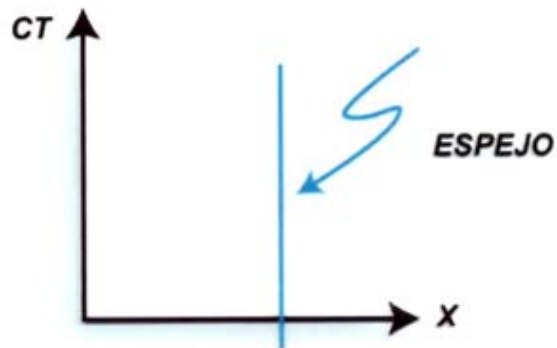
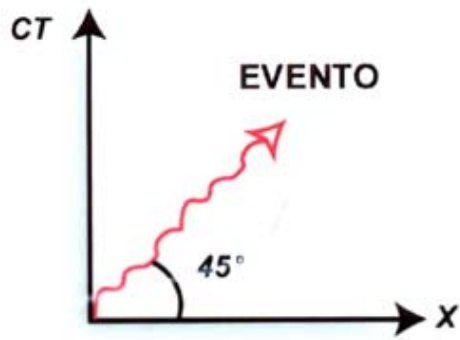


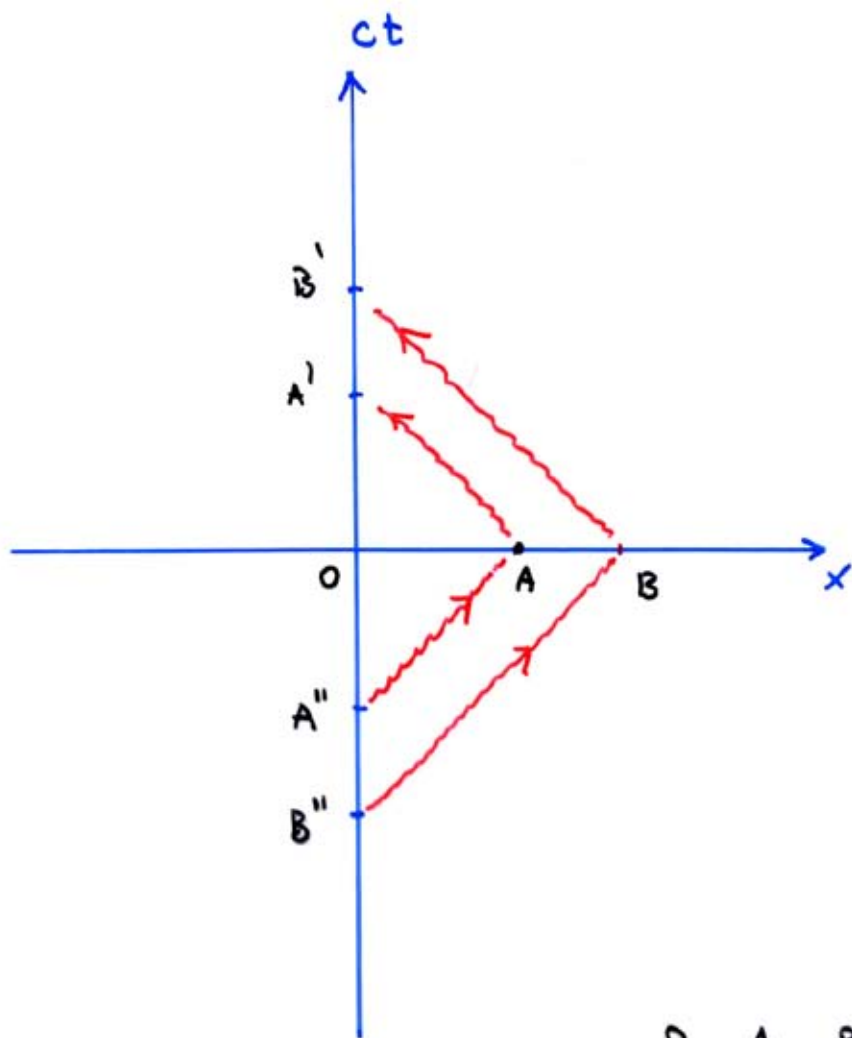
**Física** Nelson Zamorano Hole  
Contemporánea  
FCFM UNIVERSIDAD DE CHILE

# Diagrama espacio-tiempo

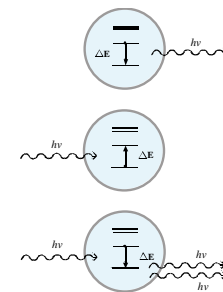


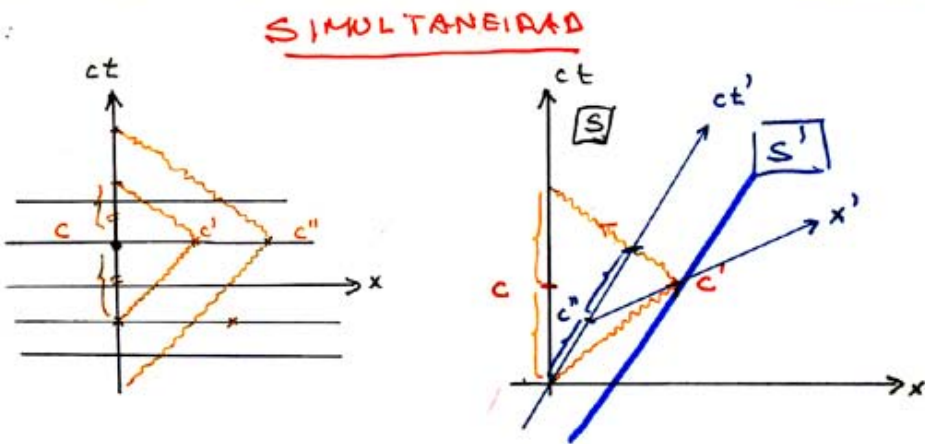
# Definición de simultaneidad





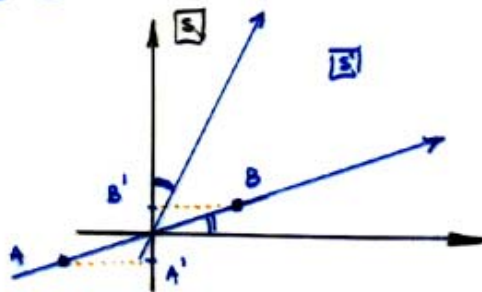
O, A, B  
 Eventos simultáneos  
 en el sist S





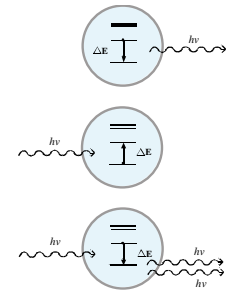
NOTA:  
 con la definición  
 de UNIDADES, los rayos  
 de LUZ SIEMPRE bisectan  
 el eje  $(ct)$  y  $(x)$  o  $(ct')$  y  $(x')$

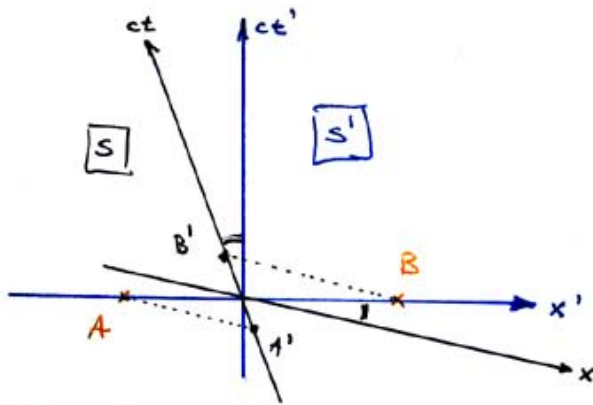
$c$  SIMUT. con  $c'$   
 $c$  DESPUES q.  $c''$   
 $c'$  y  $c''$  SIMULTANEOOS  
 en  $[S']$



$A$  y  $B$  : SIMULT. en  $[S]$   
 $B$  y  $B'$  ,  $A$  y  $A'$  SIMULT en  $[S']$

$(S)$   
 $B'$  DESPUES  
 que  $A$



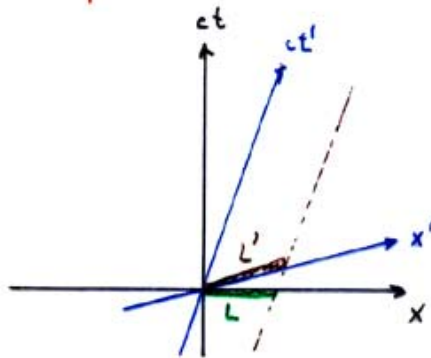


$A A'$   
 $B B'$

} SIMULTANEOS en  $S$

$B'$  "OCURRE" despues de  $A'$   
 en  $S$

$A$  y  $B$  SIMULTANEOS en  $S'$

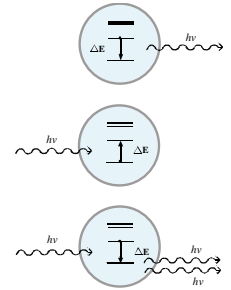


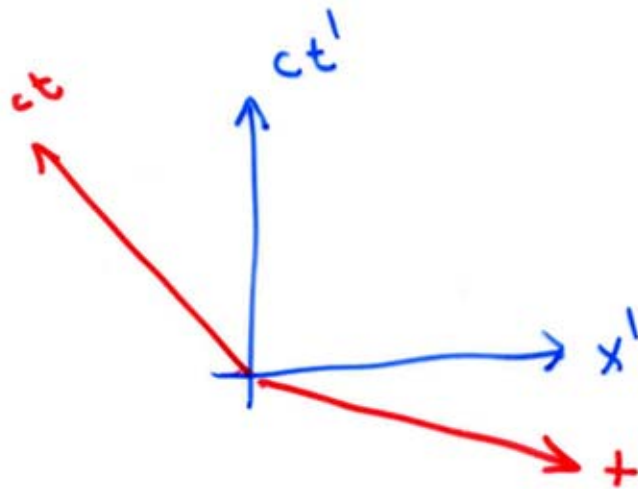
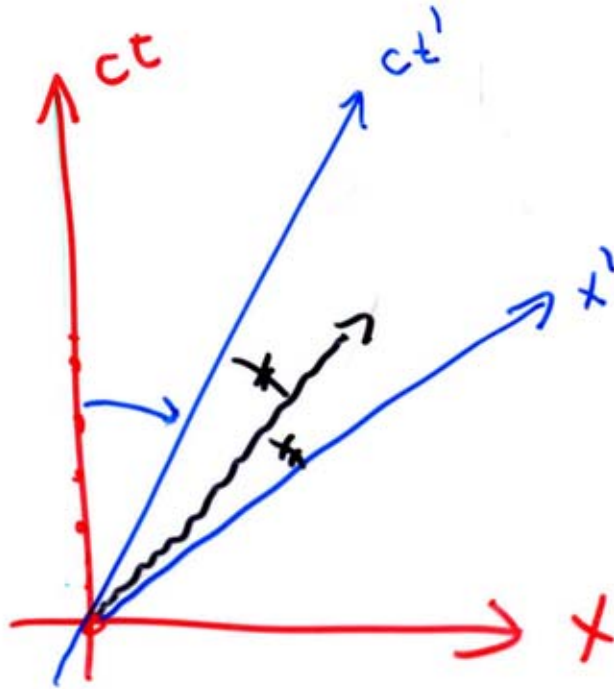
$$L \neq L'$$

DIBUJADOS desde  
 el pto. de vista  
 de  $S'$ .

$S$  viaja c/vel.  
 $(-v)$  c/n a  $S'$

$S'$  viaja c/vel  
 $(+v)$  c/n a  $S$ .





Física Contemporánea

