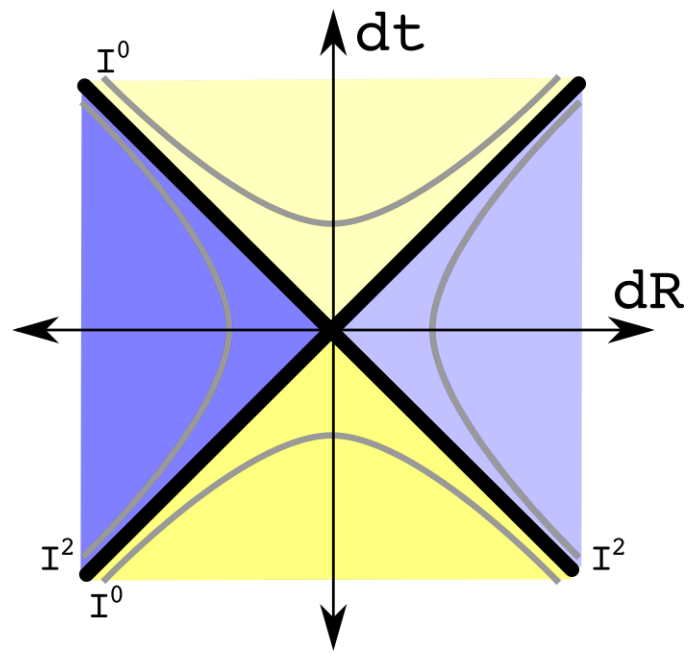
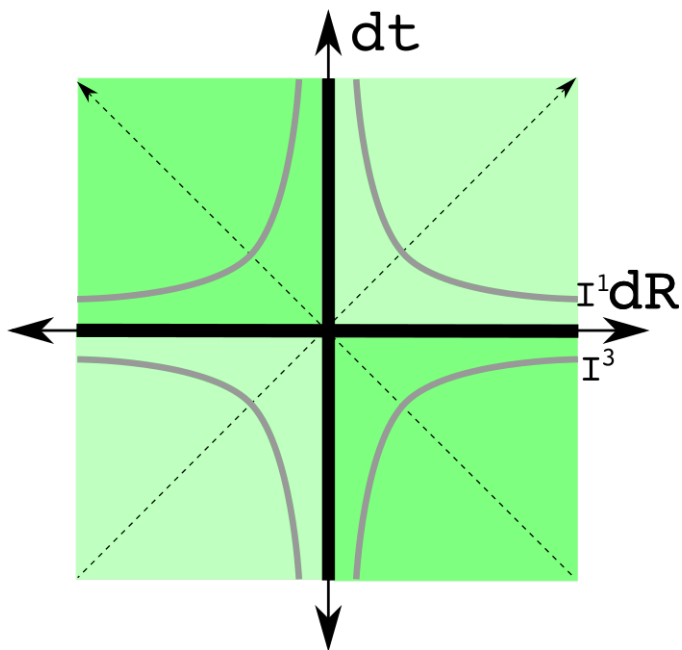


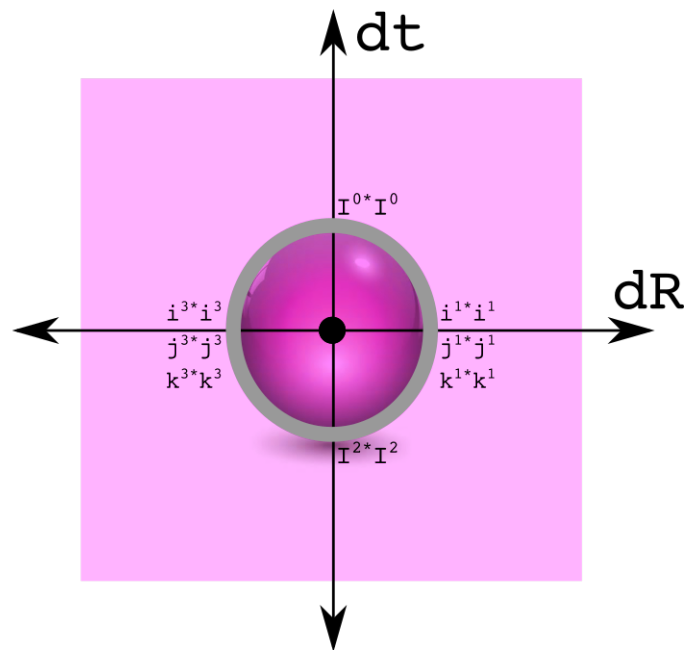
Classical



Fast Physics



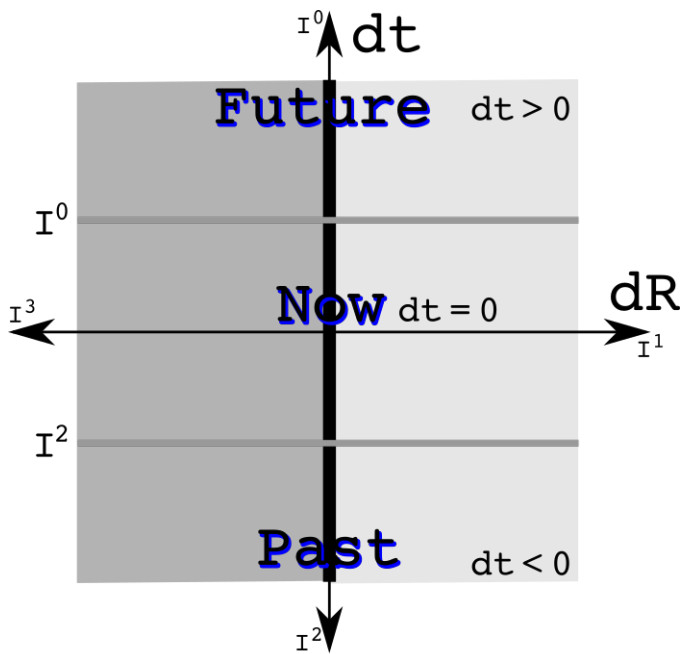
Gravity



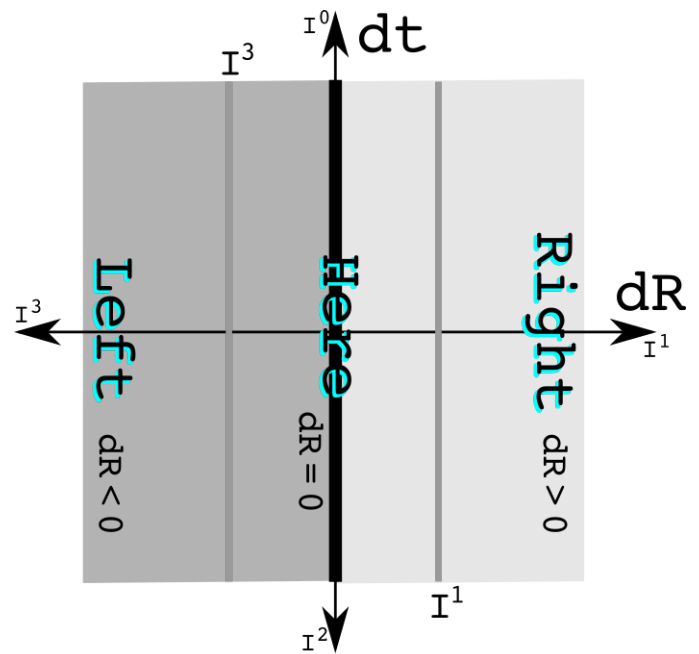
Light +

Space-time Geometries

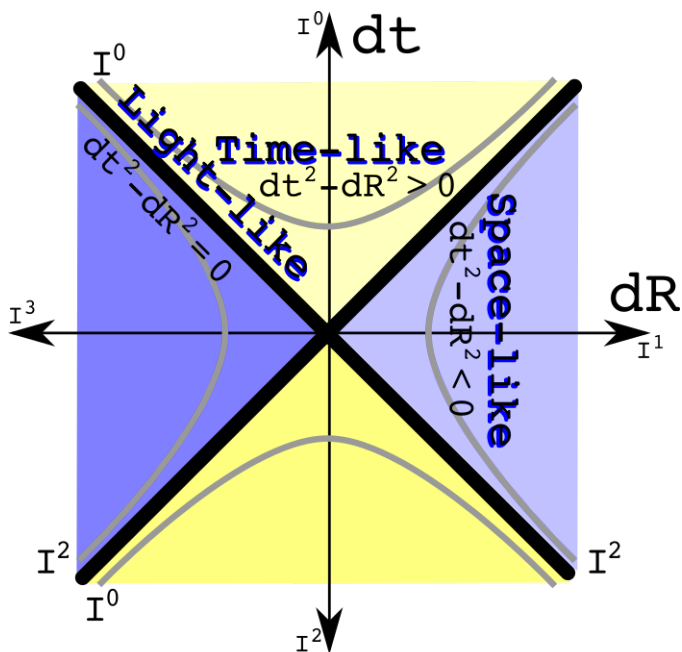
Space-Time Equivalence Classes



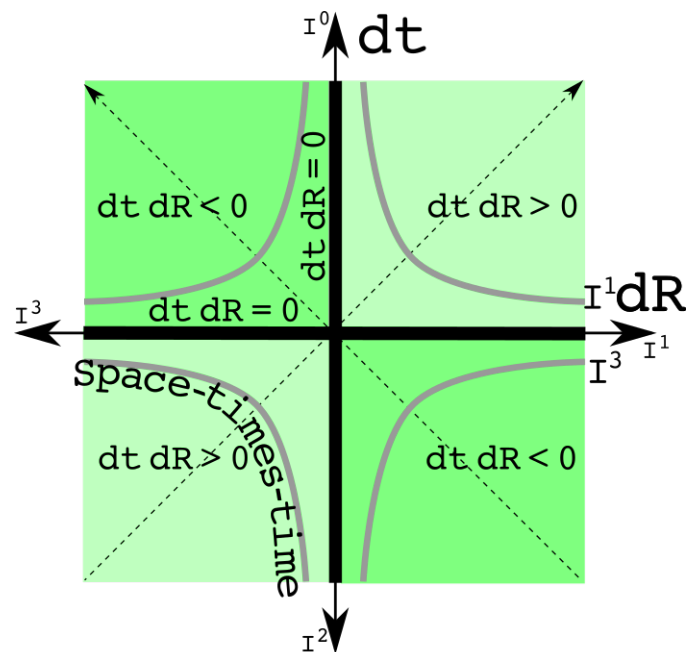
Time
 dt



Space
 dR

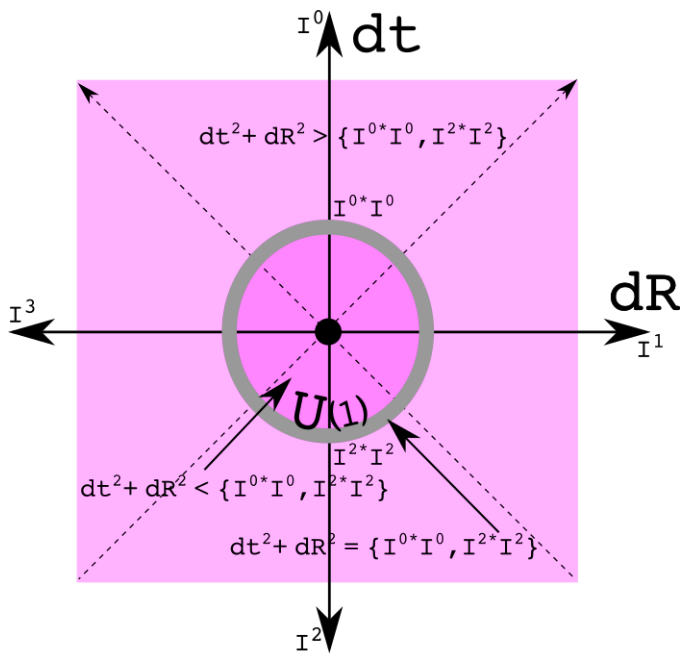


Causality
 $dt^2 - dR^2$

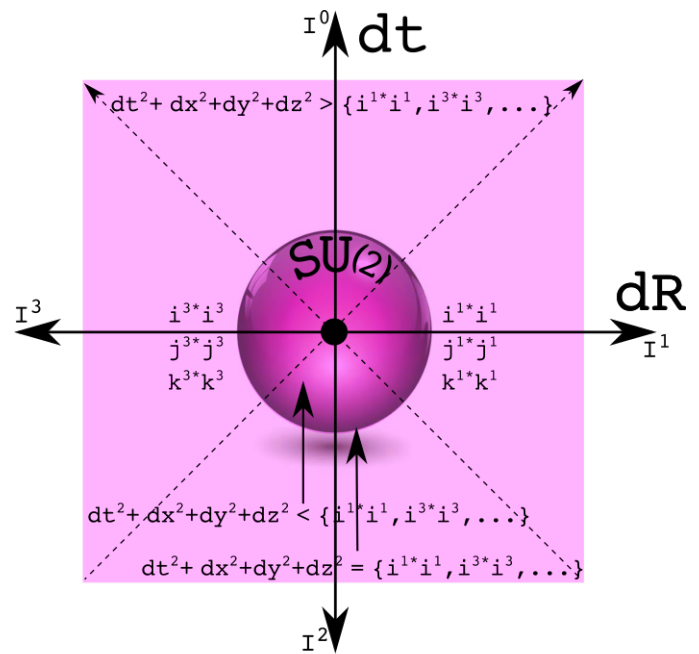


Gravity
 $dt dR$

Space-Time Equivalence Classes

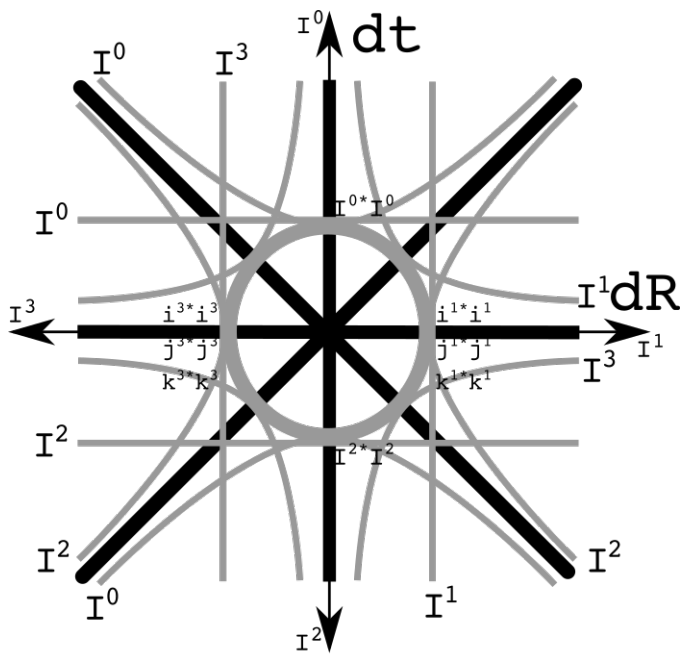


Light $U(1)$
 $dt^2 + dR^2$

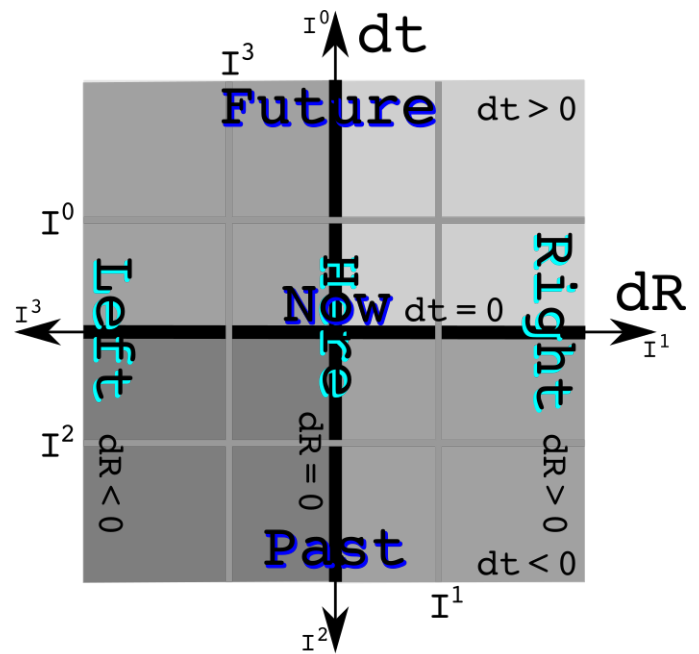


Weak Force $SU(2)$
 $dt^2 + dx^2 + dy^2 + dz^2$

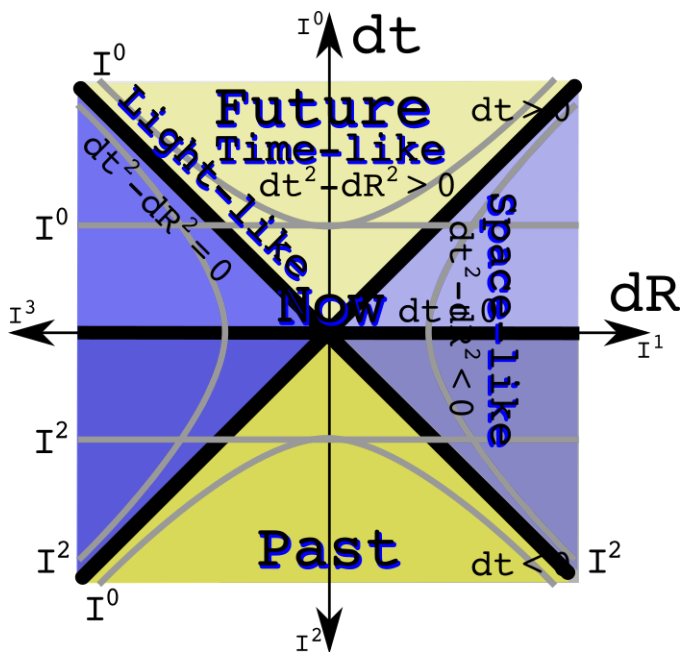
Overlapping Equivalence Classes



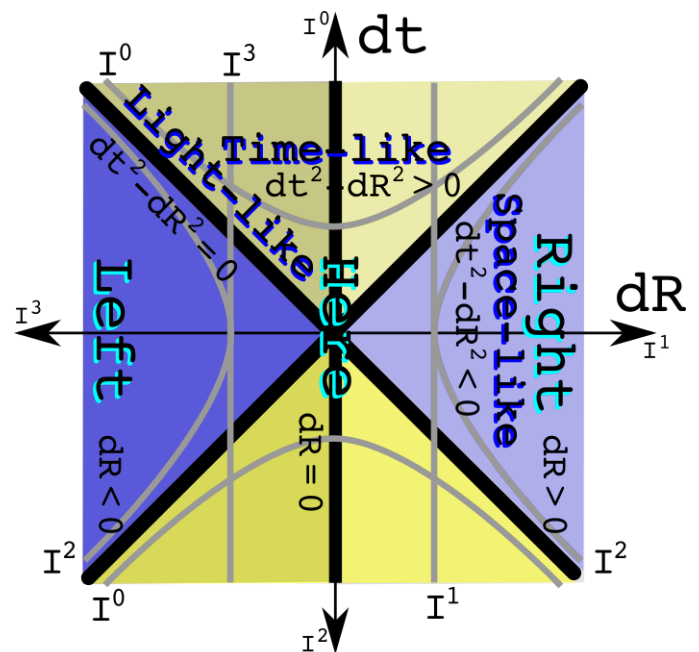
All
0's and 1's



Space + Time
dR + dt

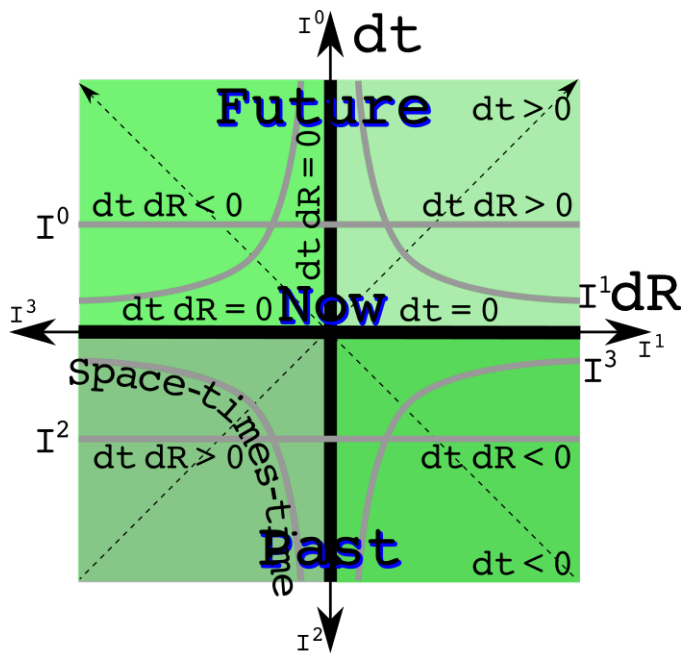


Two-tone
Space-like

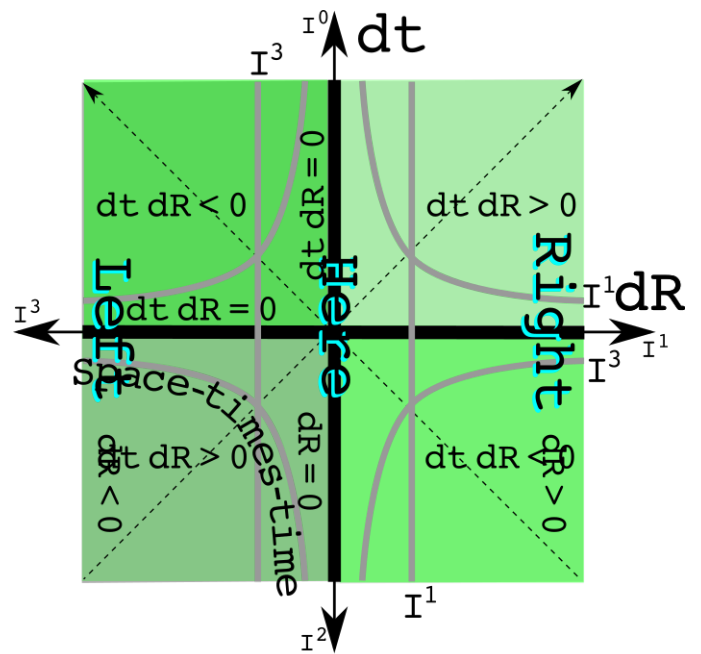


Two-tone
Time-like

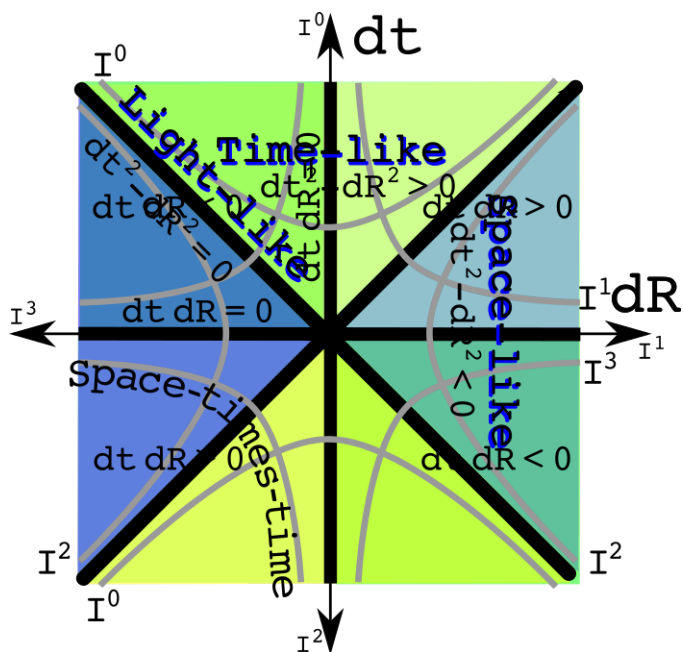
Overlapping Equivalence Classes



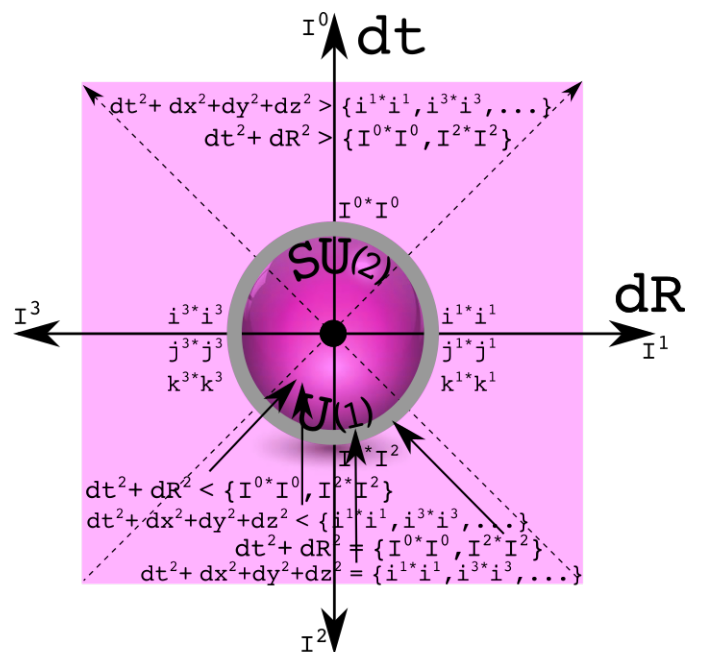
Gravity
monotone



Gravity
monotone

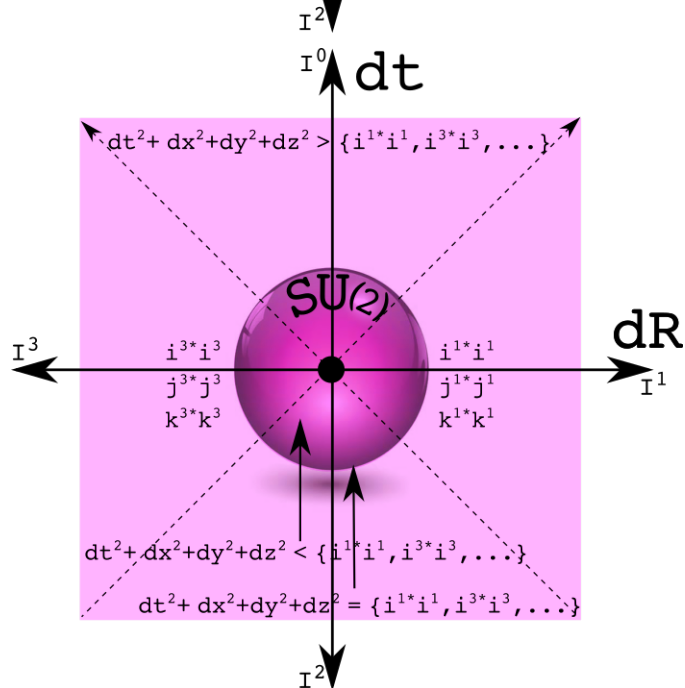
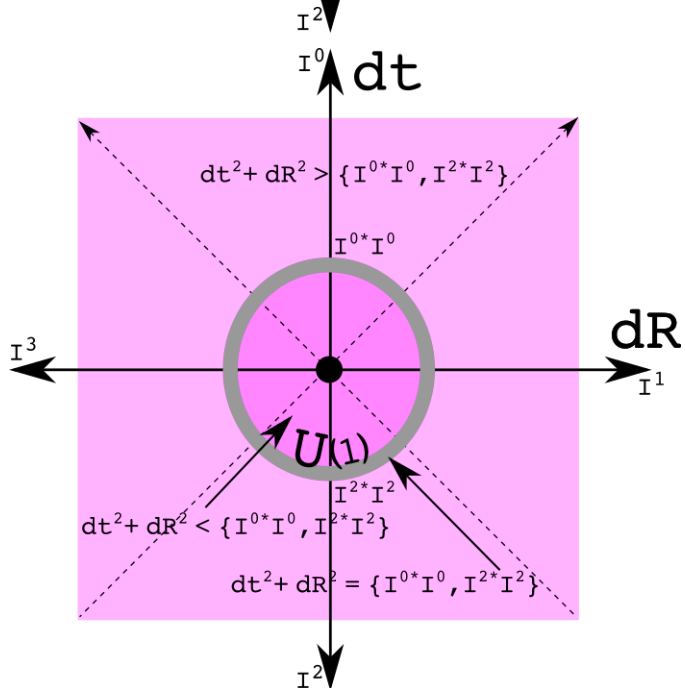
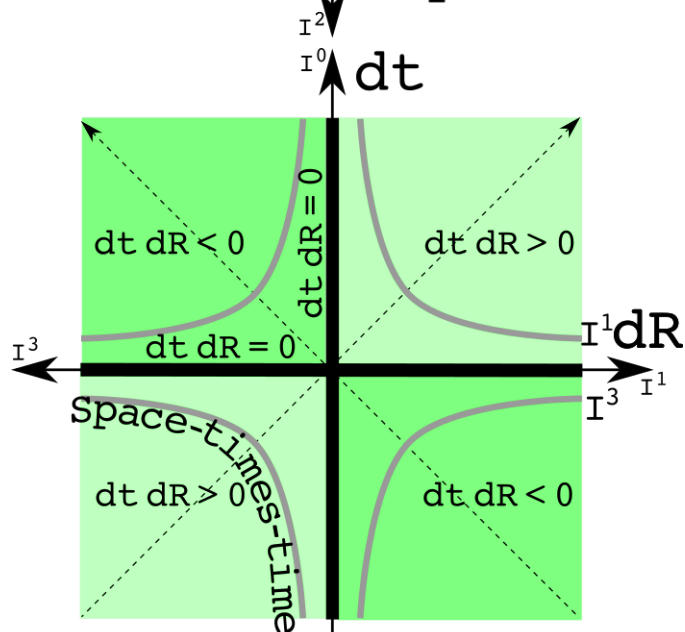
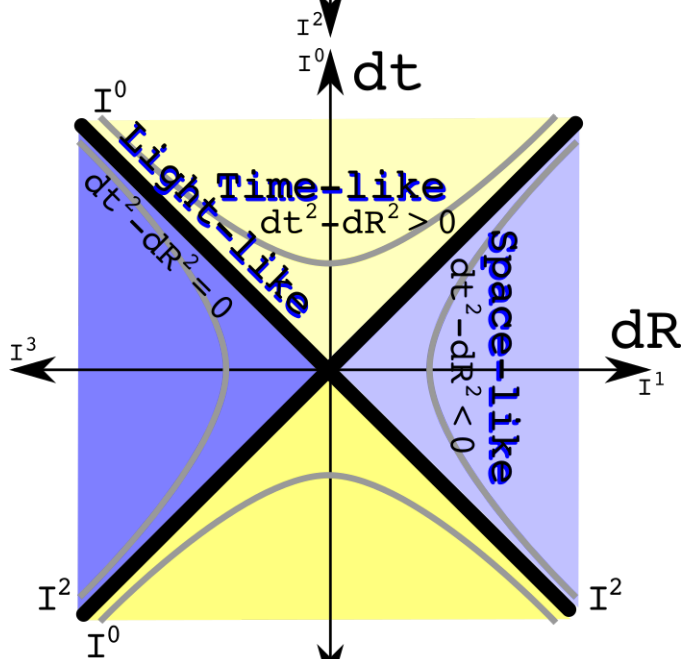
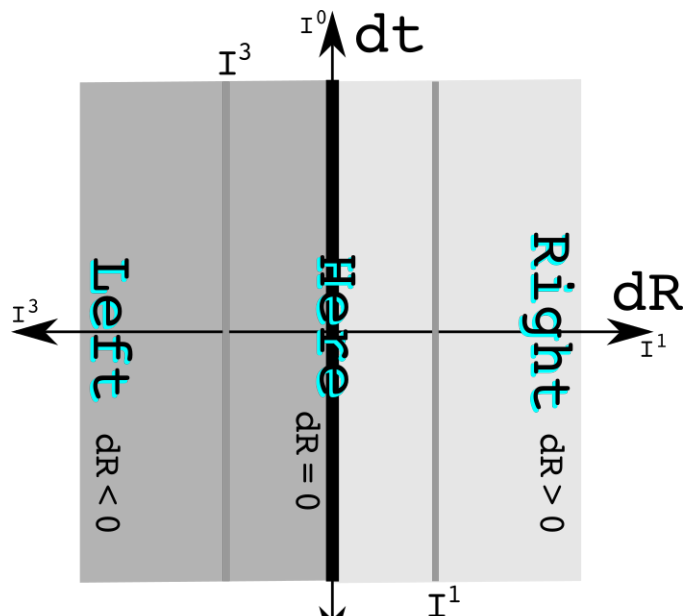
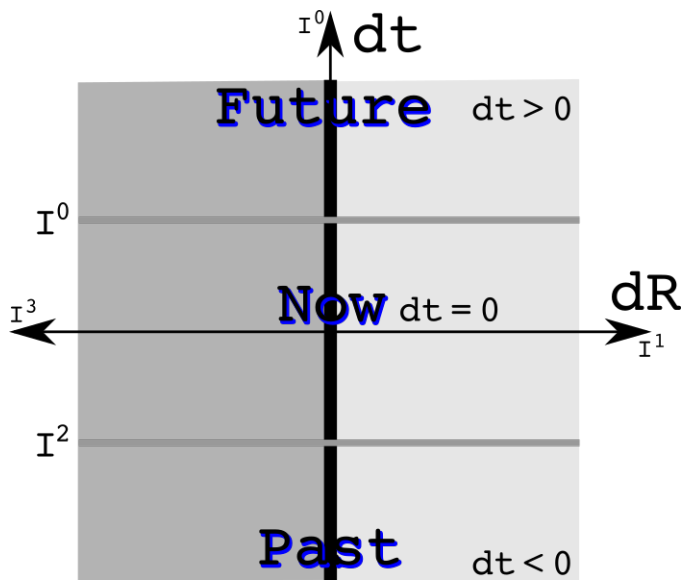


Light and Gravity
($dt^2 - dR^2$, $2dt dR$)

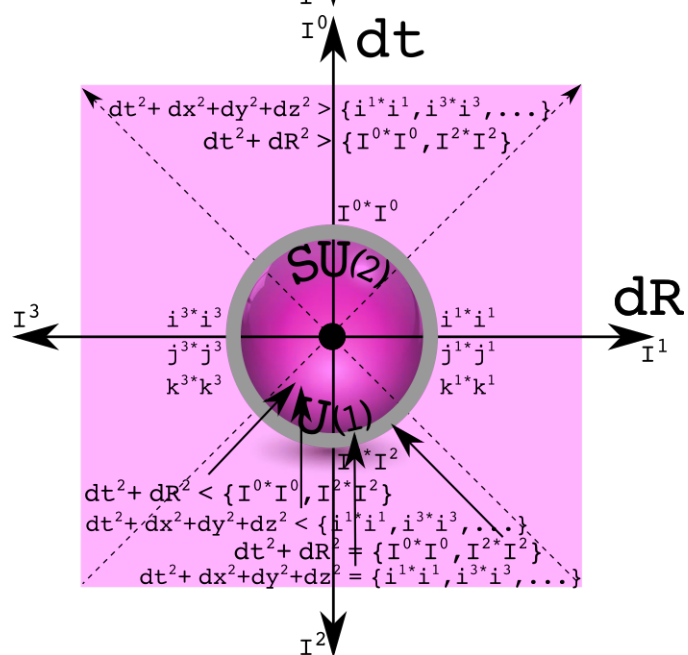
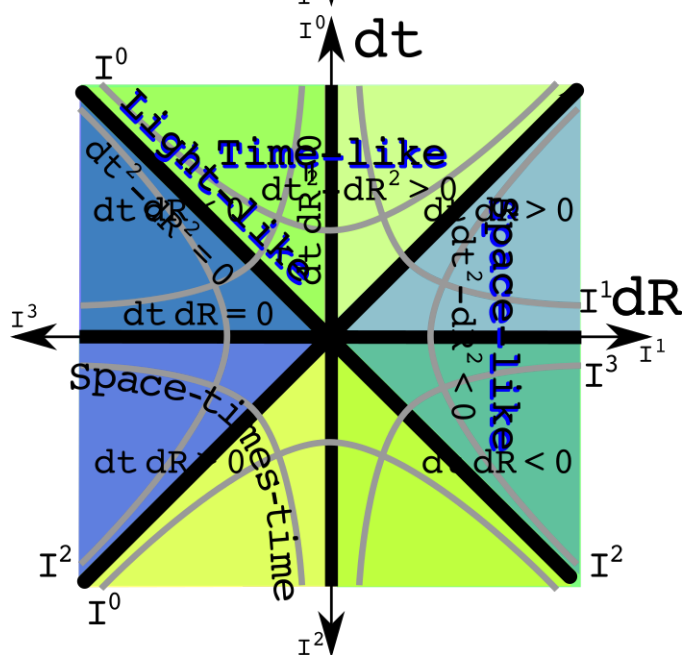
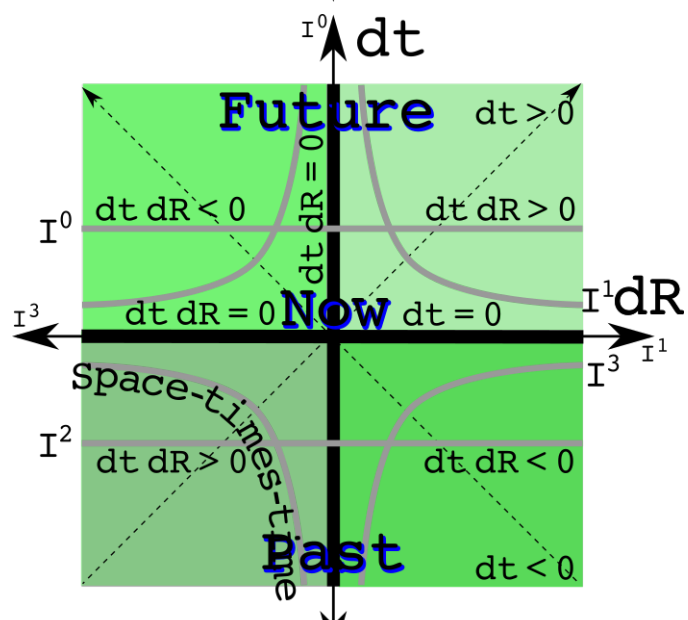
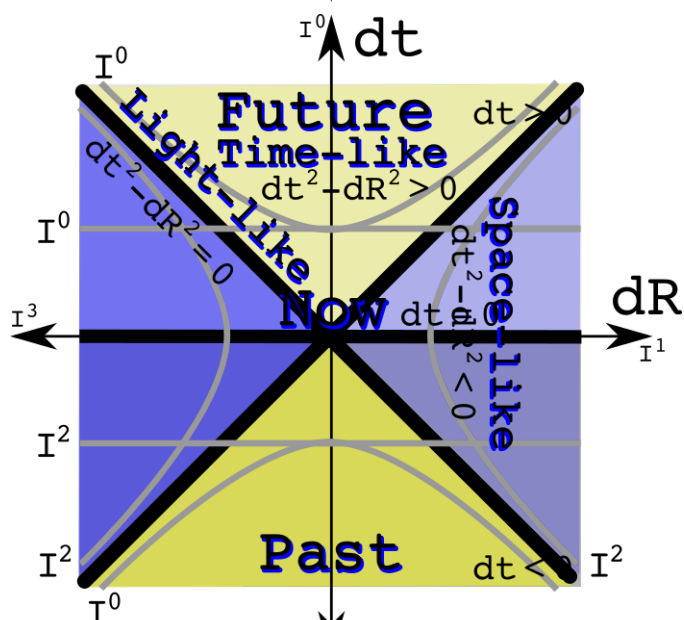
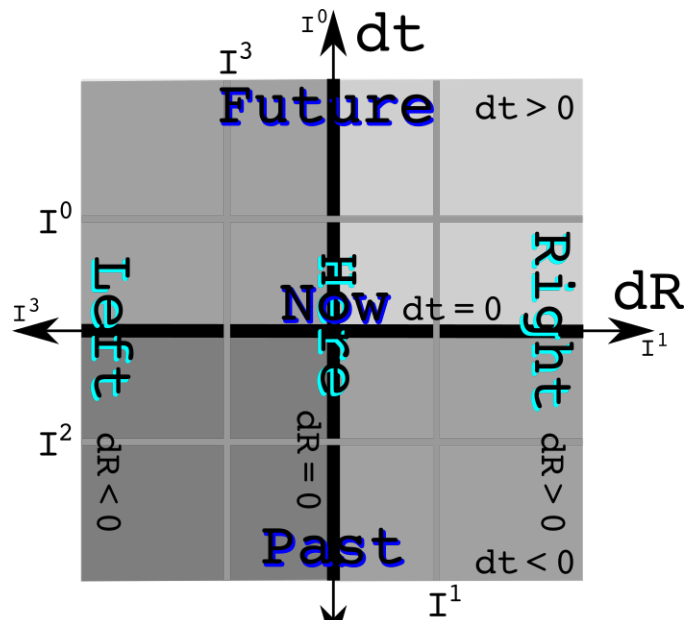
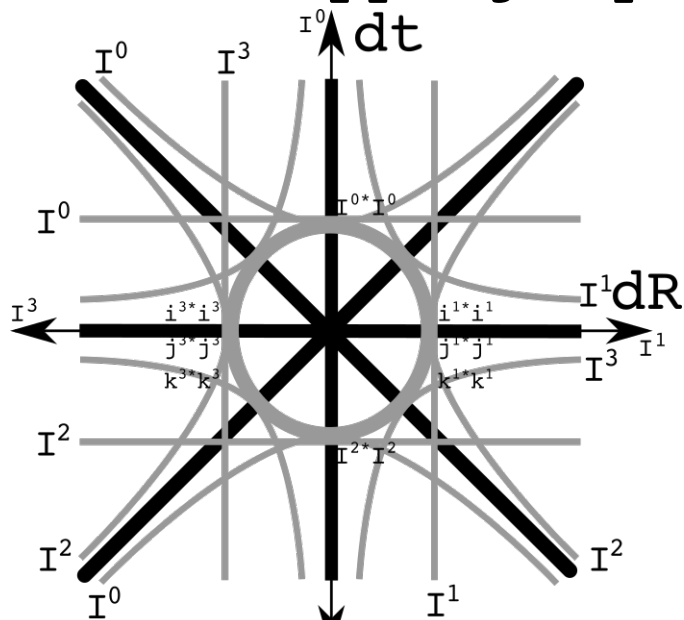


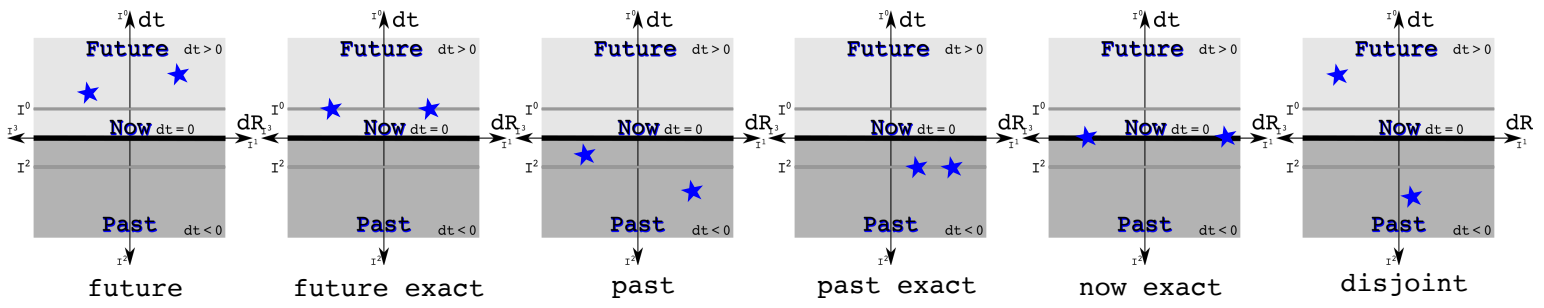
Electro-weak
($dt^2 + (dx^2 + dy^2 + dz^2)$)

Space-Time Equivalence Classes

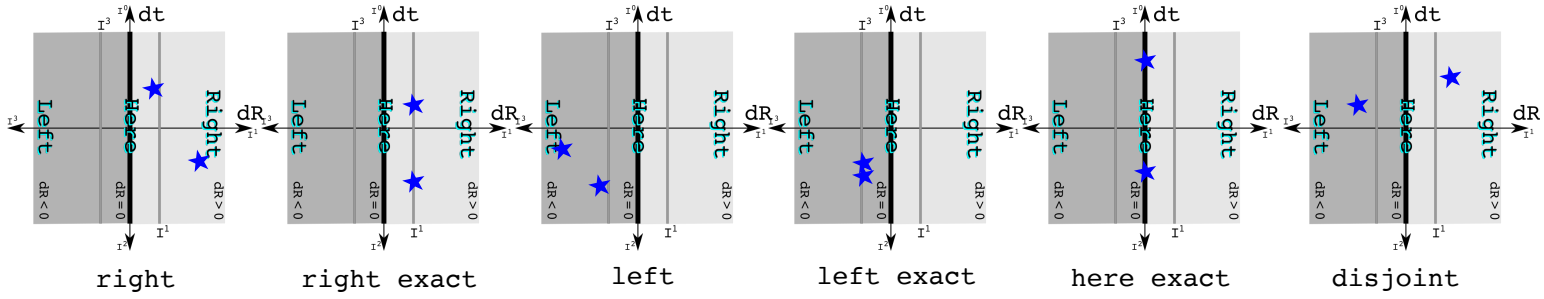


Overlapping Equivalence Classes

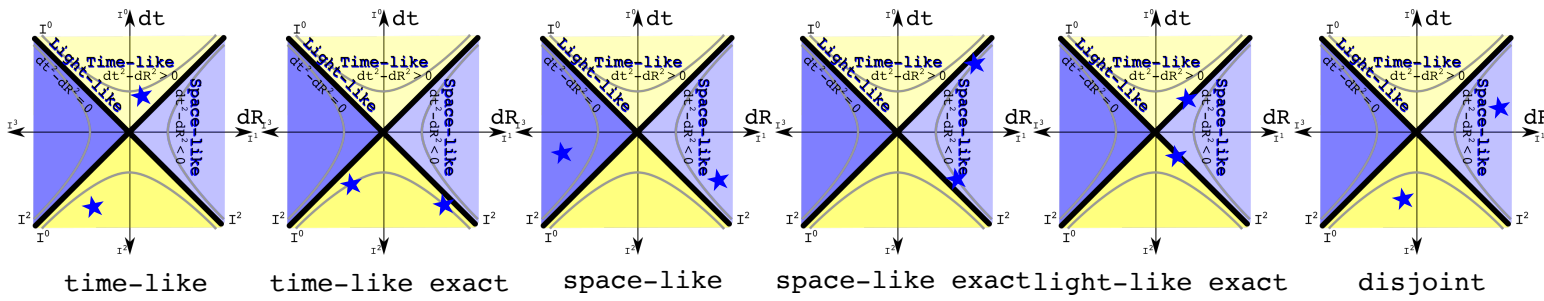




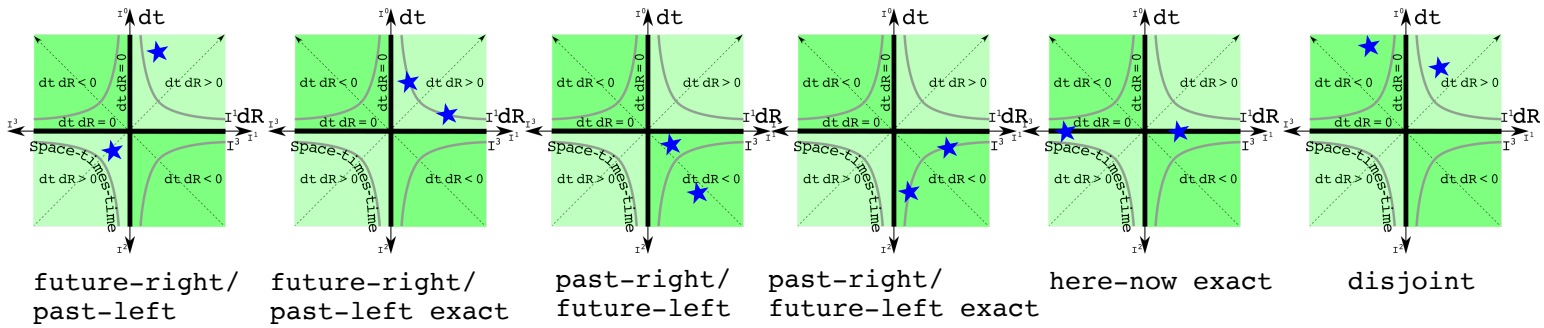
Time equivalence classes



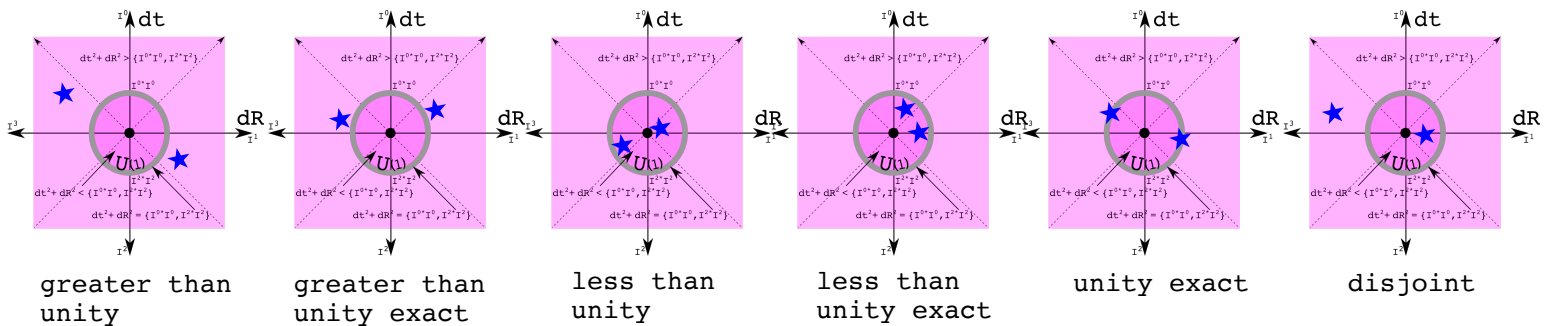
Space equivalence classes



Causality equivalence classes



Space-times-time equivalence classes



Norm of unity equivalence classes

