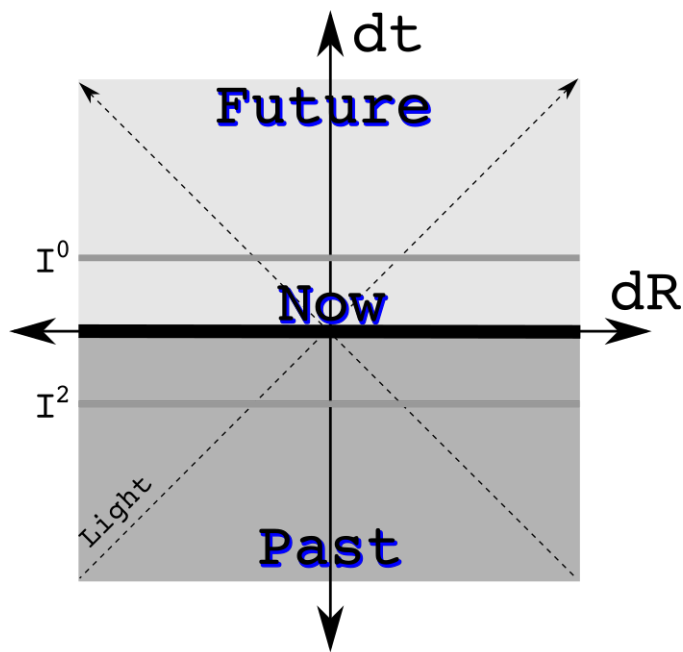
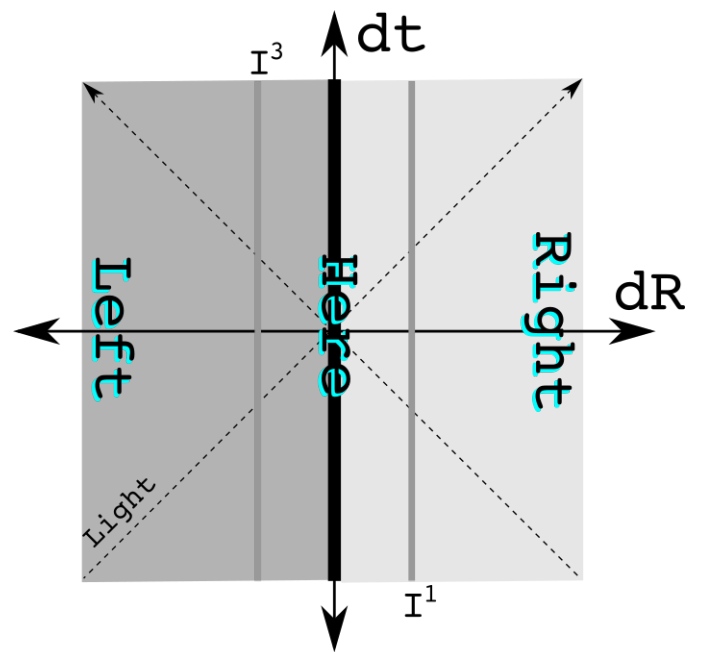


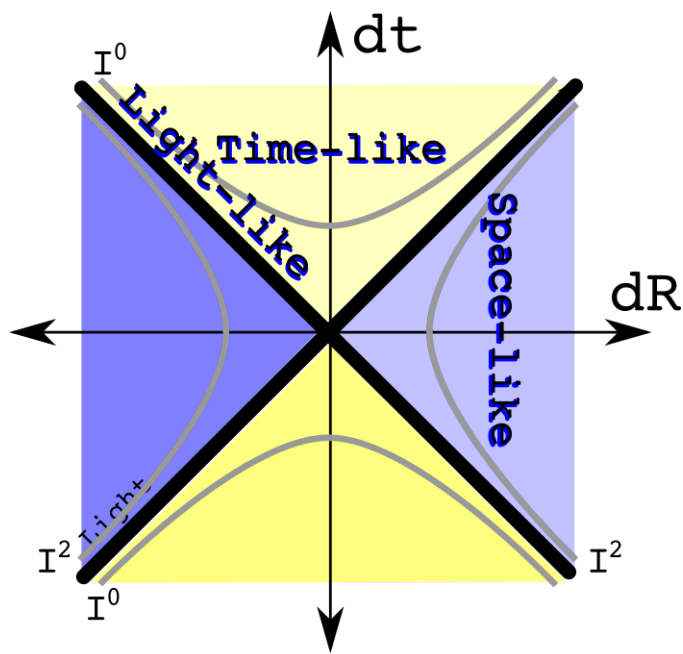
Space-Time Equivalence Classes



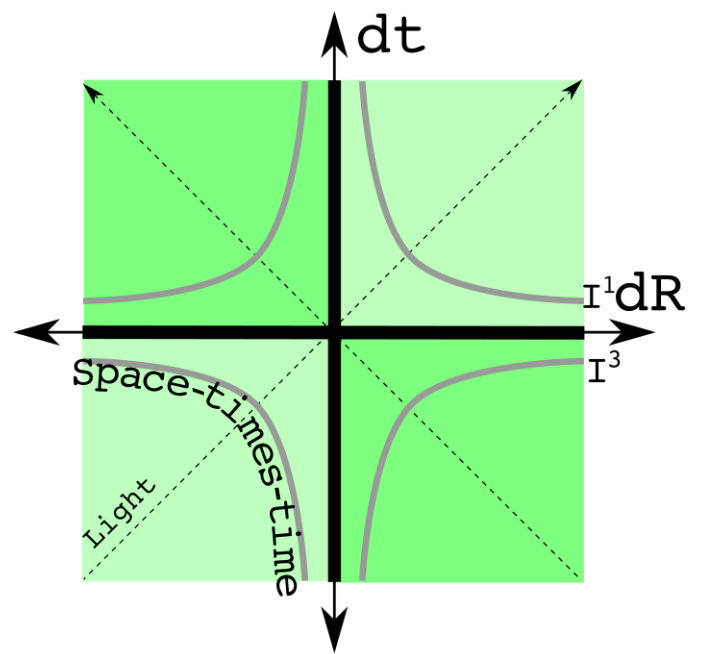
Time
 dt



Space
 dR

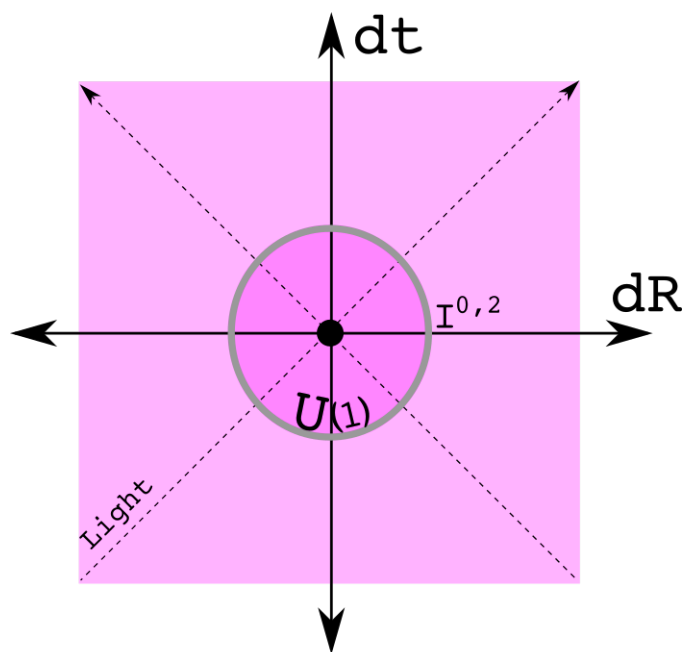


Causality
 $dt^2 - dR^2$

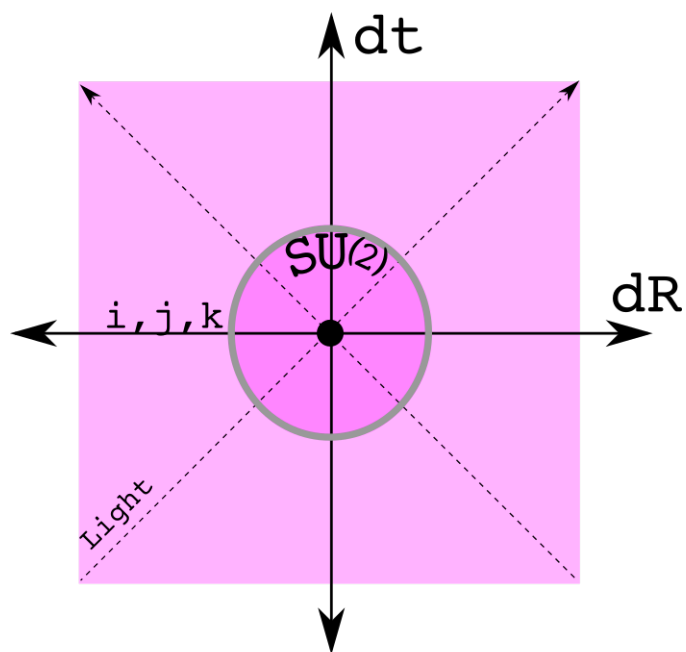


Gravity
 $dt dR$

Space-Time Equivalence Classes

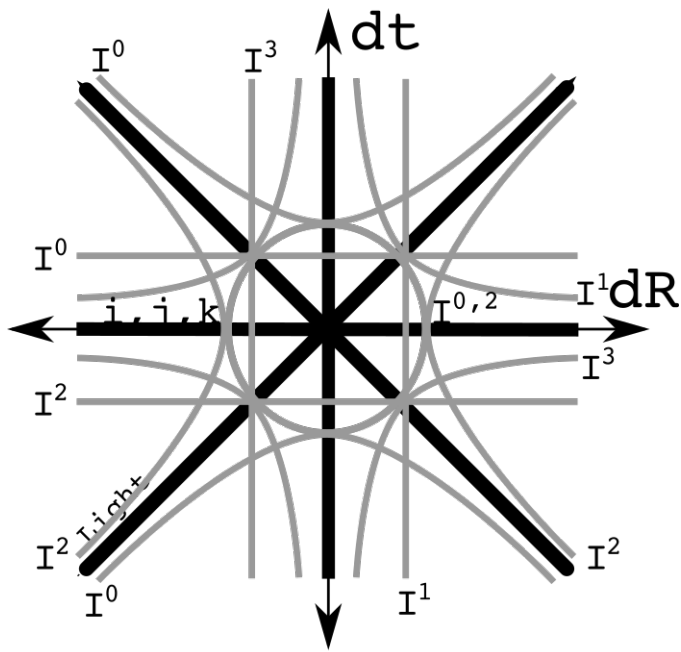


Light $U(1)$
 $dt^2 + dR^2$

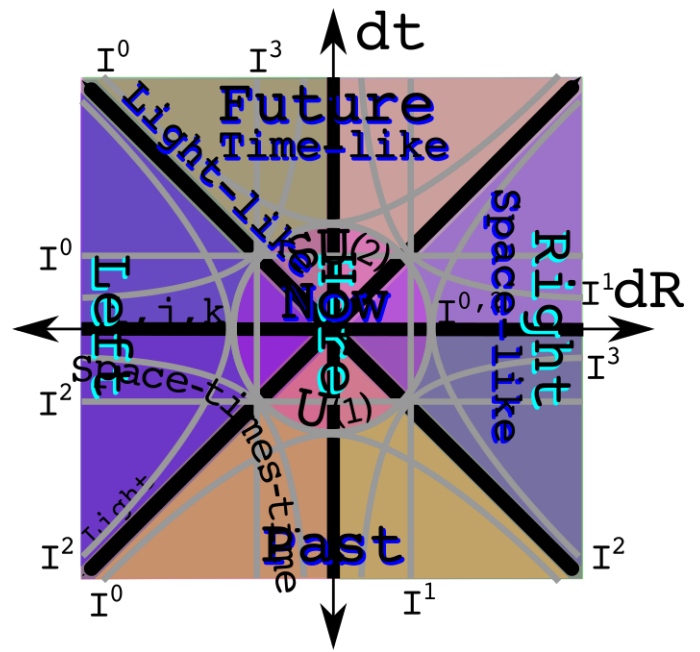


Weak Force $SU(2)$
 $dt^2 + dx^2 + dy^2 + dz^2$

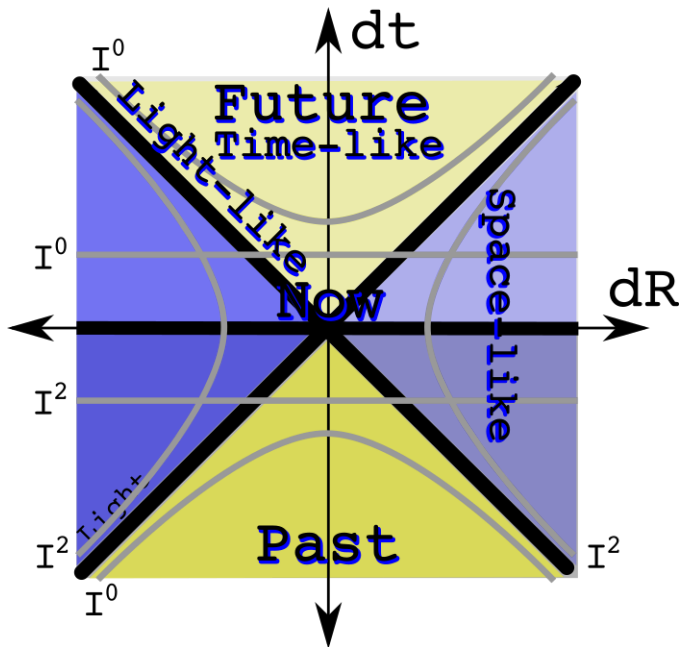
Overlapping Equivalence Classes



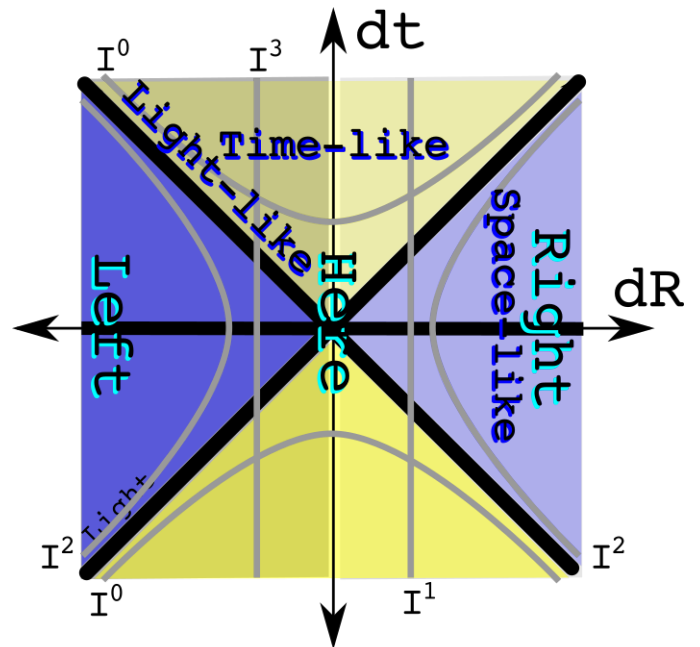
All
0's and 1's



Everything

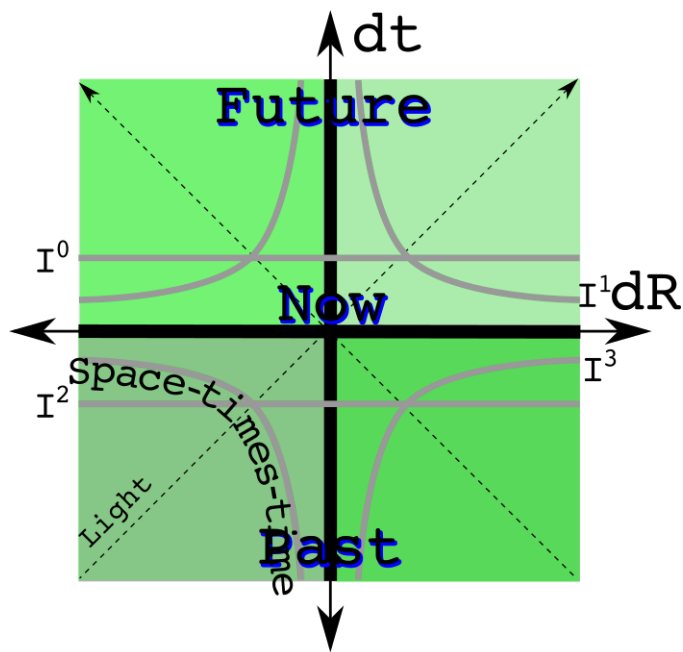


Two-tone
Space-like

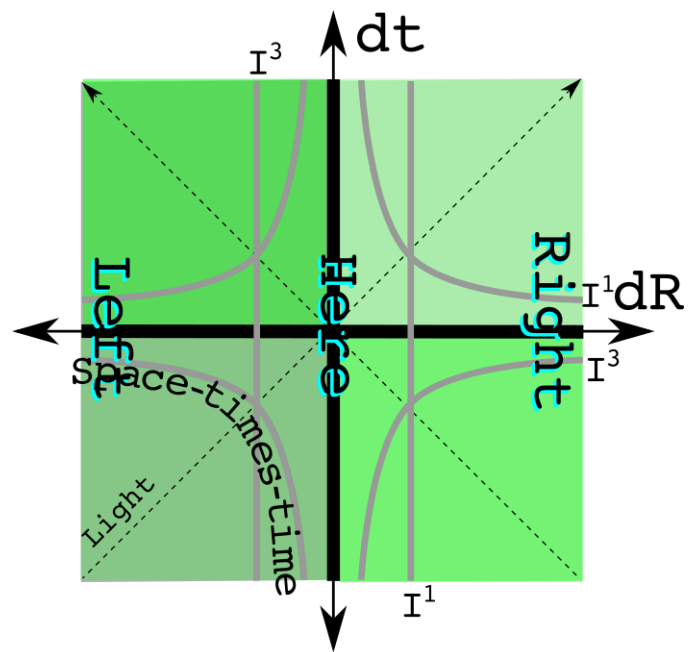


Two-tone
Time-like

Overlapping Equivalence Classes

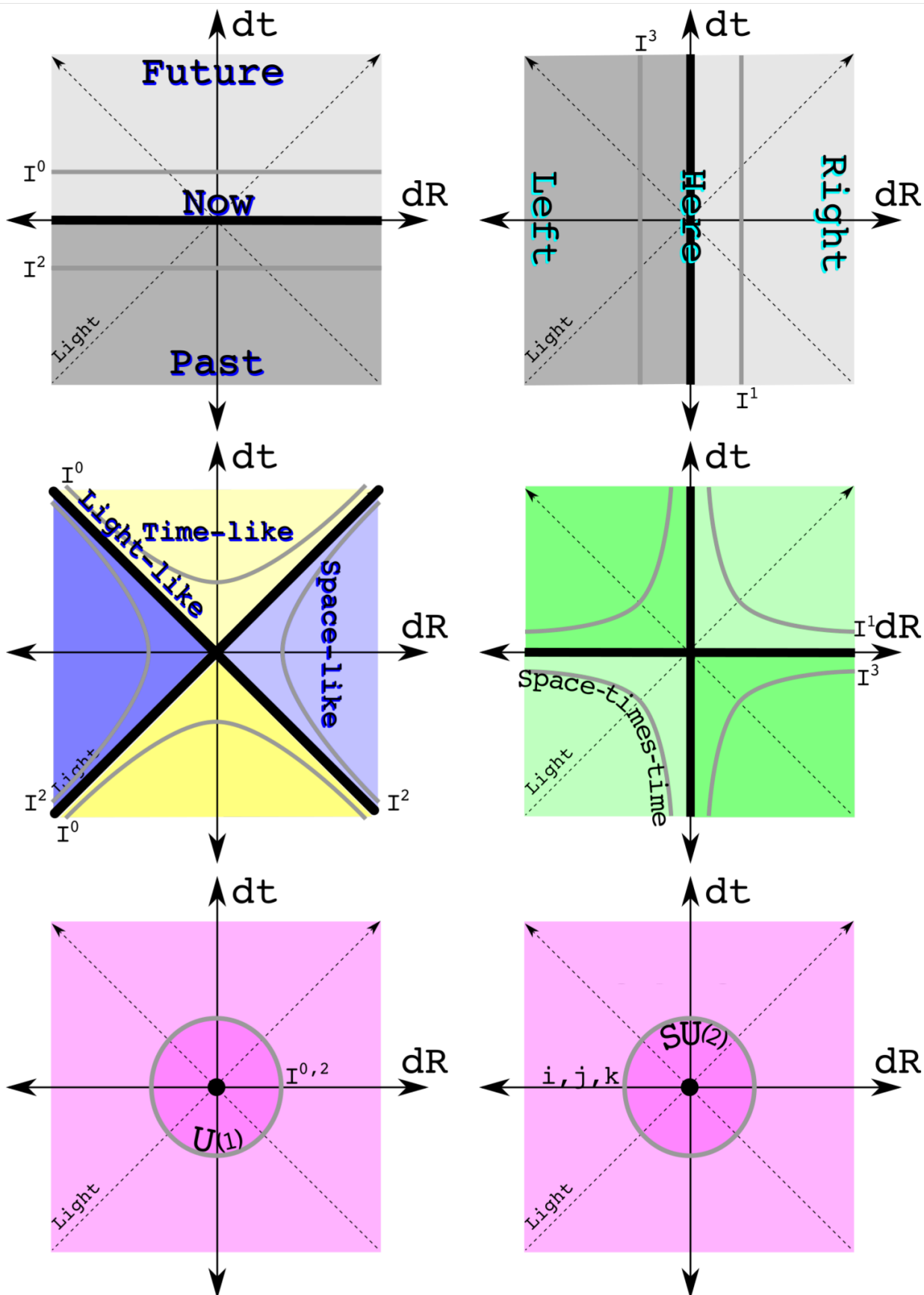


Gravity
monotone



Gravity
monotone

Space-Time Equivalence Classes



Overlapping Equivalence Classes

