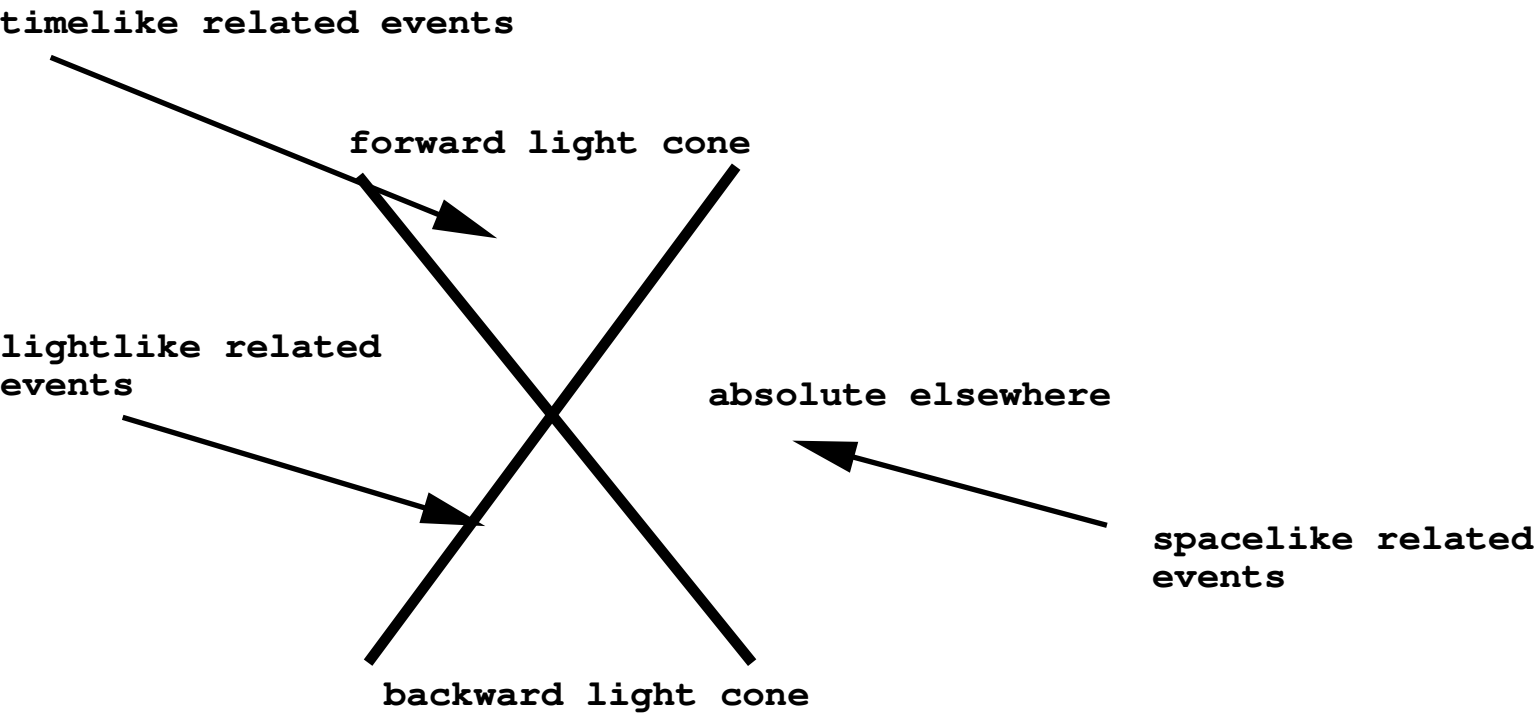
timelike related events
forward light cone
lightlike related events
absolute elsewhere
spacelike related events
backward light cone