

The top graph shows distance x on the vertical axis (ranging from 0 to 15) and time t on the horizontal axis (ranging from 0 to 8). A shaded blue region represents the range of possible distances. The region is bounded by a horizontal line at $x = 15$ from $t = 0$ to $t = 4$, and then by a series of downward-sloping curves that converge at $t = 8$.

The bottom graph shows time t on the vertical axis (ranging from 0 to 8) and distance x on the horizontal axis (ranging from 0 to 15). A shaded blue region represents the range of possible times. The region is bounded by a horizontal line at $t = 8$ from $x = 0$ to $x = 15$, and then by a series of upward-sloping curves that converge at $x = 0$.

