

**TRUE or FALSE:** For any trajectory in a "1+1"-dimensional Minkowski diagram, the slope can be **no greater** than 1.

A. True

B. False

Two events have a timelike separation. In a "1+1"-dimensional spacetime (Minkowski) diagram (x horizontal, ct vertical), the magnitude of the slope of a line connecting the two events is

- A. Greater than 1
- B. Equal to 1
- C. Less than 1

Consider the world line of an object drawn on a Minkowski (space-time) diagram. At any point in that space, the slope of that line is:

- A. larger than 1
- B. less than 1
- C. able to take on any value

Points that lie outside the light cone for a given event are:

- A. accessible no matter where they are
- B. accessible for given world lines (trajectories)
- C. always inaccessible