

Relativity of Simultaneity

Physics

Two events simultaneous in one frame are not in another.

What simultaneity does and does not mean.

What changes

The order of spacelike-separated events

Which clocks read the same time

What counts as 'now' elsewhere

Whether two events coincide

What does not

The order of causally connected events

Any cause preceding its effect

The spacetime interval between events

The speed of light in any frame

Causality is never violated. Only events too far apart for light to connect can have their order reversed.