

Postulates of Relativity

- Laws of physics are the same in every inertial frame
 - the same laws of physics can be used in any inertial reference frame and the results will be consistent for that frame.
- Speed of light in vacuum is c for everyone
 - Measure $c=3 \times 10^8$ m/s if you are on train going east or on train going west, even if light source isn't on the train.

Weird!

