

Introduction into Special Relativity

SPACETIME DIAGRAMS

IMPORTANT EVENTS IN THE LIFE OF ALICE AND BOB

- AB happened later than A and B according to Alice.
- A and B happened *at the same time* according to Alice. In other words, A and B are *simultaneous*.
- Bob was not there when Alice got her first job.
- Bob had to travel to the left to his wedding since his 25th birthday.
- A and AB happened *at the same location* according to Alice.
- Cecile was present on her PhD defense, but she wasn't there when A, B, AB happened.

2D spacetime diagram





