Summary

- Laws of physics work in any inertial frame
 - "Simultaneous" depends on frame
 - Considering those time intervals that are measured at one point in the rest frame,
 - Time dilates relative to proper time
 - or moving clocks run slow.
 - Length contracts relative to proper length or moving objects are shorter.
 - Energy/Momentum conserved
- Laws of physics for v<<c reduce to Newton's Laws