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Basically, special relativity can be stated as the invariance of any spacetime interval (that is the 4D distance between any two events) when viewed from any inertial reference frame. All equations and effects of special relativity can be derived from this rotational symmetry (the Poincaré group) of Minkowski spacetime.

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Introduction to Special Relativity Robert Resnick I used this book as an undergrad many years ago

in honors first-year physics (along with Purcell's excellent E&M book from the Berkeley Physics Series), and have referred to it from time to time since.