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The Mathematics of Special Relativity Jared Ruiz Advised by Dr. Steven Kent May 7, 2009 1. 1  
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In physics, the special theory of relativity, or special relativity for short, is a scientific theory regarding the relationship between space and time. In Albert Einstein's original treatment, the theory is based on two postulates: The laws of physics are invariant (that is, identical) in all inertial frames of reference (that is, frames of reference with no acceleration).

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## **The Mathematical Theory of Special and General Relativity ...**

J J Gray, Poincaré, Einstein, and the theory of special relativity, Math. Intelligencer 17 (1) (1995), 65-67. C W Kilmister, Relativity, in I Grattan-Guinness (ed.), Companion Encyclopedia of the History and Philosophy of the Mathematical Sciences (London, 1994), 1235-1241.