

GR 22: Alternative Ansätze II

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Review of equations of Special Relativity consequences —
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According to the theory of special relativity (TSR) in relative motion we have the length contraction, the time dilatation, the mass increasing and addition of velocities that can't reach the velocity of light c . For each of these TSR consequences an equation and special explanation exist. These equations will be reviewed in this paper. The review poses three questions. The first, on which quantity depend these conse-

quences? Second, should all of these consequences depend on the same quantity? Third, what is the physical meaning of these consequences if we read (interpret) their equations in right way? This paper has found the answers: equations that express the TSR consequences does not reflect all quantities on which they depend; review of these equations shows that all consequences do not depend on same quantity; and finally, the answer to the third question is: according to the TSR the reading (interpretation) of the equations that express the TSR consequences is voluntary, i.e. it is non-scientific.