

paradoxes in the theory of relativity - springer - paradoxes in the theory of relativity by yakov p. terletskii department of physics moscow state university, moscow with a foreword by banesh hoffman **the symmetric twin paradox revisited - angelomonfroglio** - the symmetric twin paradox revisited angelo monfroglio keywords: special theory of relativity, lorentz transformations, langevin paradox abstract new formulations of the symmetric twin paradox are considered, which, in the opinion of the author, are not well solved. new transformations are presented that only partially differ from the classical lorentz transformations used in the special ... **absorption of particles in extended relativity** - out in ref. (5) is real; whether the classical theory of tachyons, i.e. the theoretical support of position 3), will be able to avoid it is, in our opinion, an entirely open question. let us consider, as in ref. (s) to whose figure the reader is referred, a macroscopic **2qpxowlgphqvlrqqdowlph - institute of physics** - so taylor's theory can be formulated in a space-time with multidimensional time without affecting well known results of four-dimensional special relativity (i.e. the classical approximation of quantum mechanics, e.g. particle trajectories in a bubble (**reprinted from nature, vol 223, no.5204, pp. 386-387** ... - the special theory of relativity (for example, refs. 2-7) still purport to show that causality arguments forbid the existence of faster-than-light particles. one book which is at least partially correct on this score is ya. p. terletskii's paradoxes in the theory of relativity⁸, but even this ignores the possibility of reinterpretation. here we present explicitly a proof that the sign reversal ... **the cosmological term, gravitational screening, and the ...** - universe and gives an interpretation of the cosmological term and the theory of the steady-state universe. we will begin from the hypothesis of the existence of particles of negative mass [12, 13]. **possible existence of faster-than-light phenomena ...** - 1 speculations in science and technology 21,29-36(1998) possible existence of faster-than-light phenomena for highly accelerated highly accelerated elementary particles ... **spherically symmetric solution of the lane-emen equation** - terletsky, paradoxes of the theory of relativity, plenum (1968). s. chandrasekhar, introduction to the study of stellar structure, dover, new york (1958). v. **causality, faster than light signals and clock-synchronization** - the causal "paradoxes" which arise in the special theory of relativity when signals of speed $v > c$ are allowed are very old and well known. recently this subject has received considerable attention¹⁻³, the present opinion being that the causality hypothesis should not be mixed or confused with the temporal reordering of events when observed from different inertial frames. it follows that the ... **biblioteca degli studenti di fisica catalogo - df.units** - s.02.0012 terletskii paradoxes in the theory of relativity s.02.0013 purcell la fisica di berkley 2 "elettricit  e magnetismo s.02.0014 halliday/resnick fisica elettromagnetismo " ottica s.02.0015 ramo/whinnery campi e onde nell'elettronica per le comunicazioni s.02.0016 bergmann introduction to the theory of relativity s.02.0017 panofsky classical electricity and magnetism s.02.0018 ... **wissenschaftliches recherchieren und diskutieren** - an, "how galileo could have derived the special theory of relativity", am. j. phys. 62 157-162 (1994) j.held, "space-time exchange invariance: special relativity as a symmetry principle",

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