

Einstein 1907, completed

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1 The Einstein equivalence principle of special relativity of 1907 is maximally powerful

2 For it entails Einstein's 3 most revolutionary findings as is well known: gravitational redshift, gravitational curvature, manifest gravitational slowdown of light

3 The third point (the *Einstein slowdown of light*) arises from the fact that a light ray that

progresses horizontally downstairs does so in a *slanted* fashion relative to an observer at the tip. This "Einstein slant" got overlooked so far

4 It follows from the new slant that all distances downstairs are invisibly to above enlarged by, and all objects downstairs are mass- and charge-reduced by, the gravitational redshift factor

5 To give an example: All objects on an ideal neutron star (with unit redshift, that is, a factor of 2 slowdown of time) are invisibly to above doubled in size and halved in rest mass and charge

6 It follows from # 4 that the speed of light c in the vacuum c is globally conserved in the equivalence principle -- just as formally presupposed because the equivalence principle is exclusively based on special relativity with its global c . Strangely, the global c constraint got overlooked by the scientific community ever since 1907

7 A new general relativity implicit in c -global waits to be written down to better judge the safety of a current experiment

For J.O.R.