

# 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.