ARBITRARY SPACE

Emil Gigov, BG, 28.12.2017

The well-known Lorentz transformations are controversial and misunderstood. They are based on the Michelson interferometer:

$$\tau = \beta\left(t - \frac{v}{V^2}x\right)$$
$$\xi = \beta(x - vt)$$
$$\eta = y$$
$$\zeta = z$$
$$\beta = \frac{1}{\sqrt{1 - \left(\frac{v}{V}\right)^2}}$$

According to these simple formulas, the longitudinal time is delayed and the longitudinal space is stretched. But according to the theories of Lorentz and Einstein - the longitudinal space is shrunk.

Einstein obtains a shrunk space in TSR, only after transforming the Lorentz transformations themselves, by inverting them arbitrary, but misses to invert the time into accelerated.