

Understanding General Relativity after 100 years: a novel perspective

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Abstract:

Invoking the general properties of homogeneity and isotropy of space and homogeneity of time in absence of all forces, we would argue that a universal velocity, the velocity of light, c , and a universal length in so called the cosmological constant, Λ naturally arise as the two most fundamental constants of spacetime structure. And Einstein gravity naturally arises when spacetime becomes inhomogeneous. We shall expound on new insights and illuminating perspective that emerge.