

Cosmology with unparticles: Bounces, inflation, cyclic Universe and dark energy

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Our understanding of the Universe is based on general relativity and on the standard model of fundamental interactions. This picture suffers from several issues that cannot be explained by GR or SM, like primordial singularity, inflation, dark energy or dark matter. I will show how unparticles may solve at least some these problems and generate realistic cyclic Universe and dark energy

Presenter: ARTYMOWSKI, Michal

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