Title: Infinite derivative gravity theories: UV completion, inflation and observables

Speakers: Alexey Koshelev

Series: Quantum Gravity

Date: February 08, 2024 - 2:30 PM

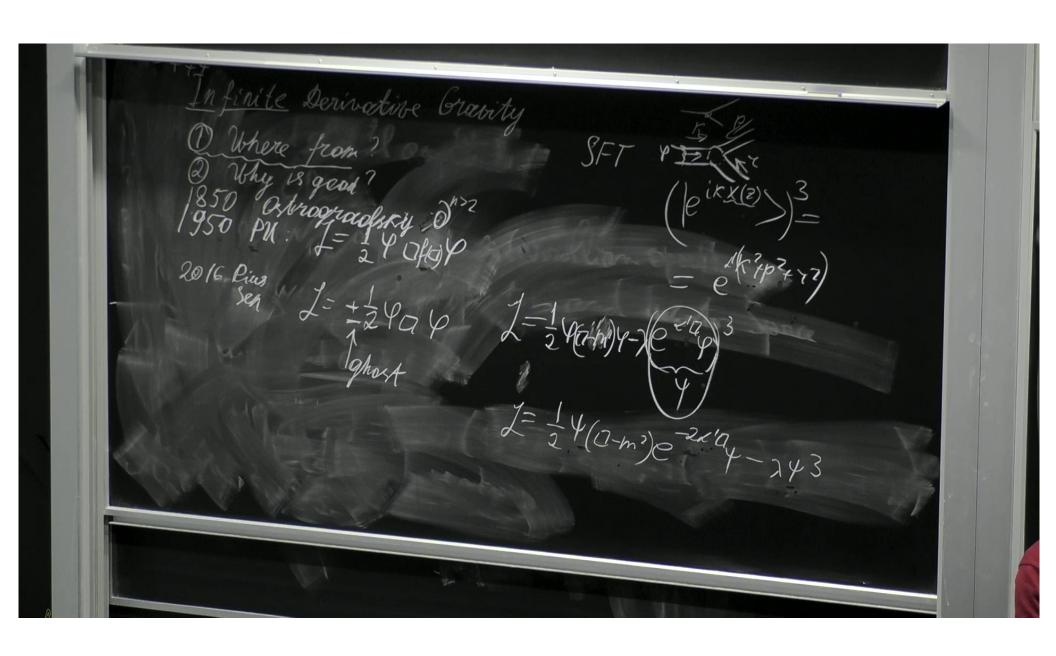
URL: https://pirsa.org/24020055

Abstract: In my talk I will review motivation for and construction of an infinite derivative gravity. Especially a connection to the string field theory will be highlighted. Then I will demonstrate an exact embedding of the Starobinsky inflation in this construction. In final part I will speak about modifications to observable compared to local models of inflation: spectral indexes, tensor/to scalar ratio, shapes of non-gaussianities and related parameters, gravitational waves production.

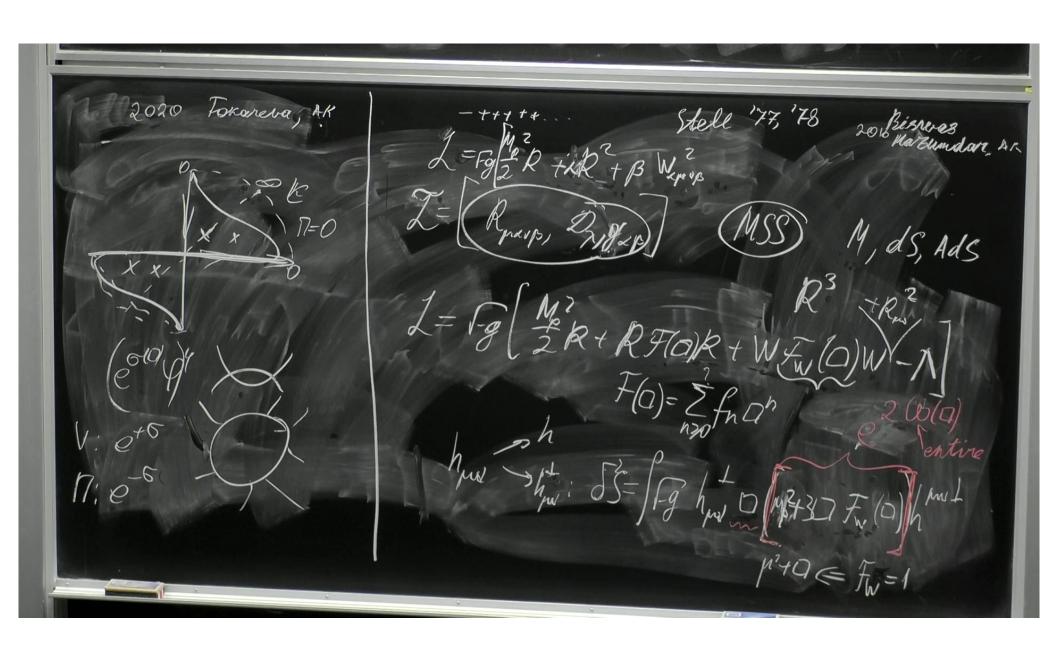
---

Zoom link

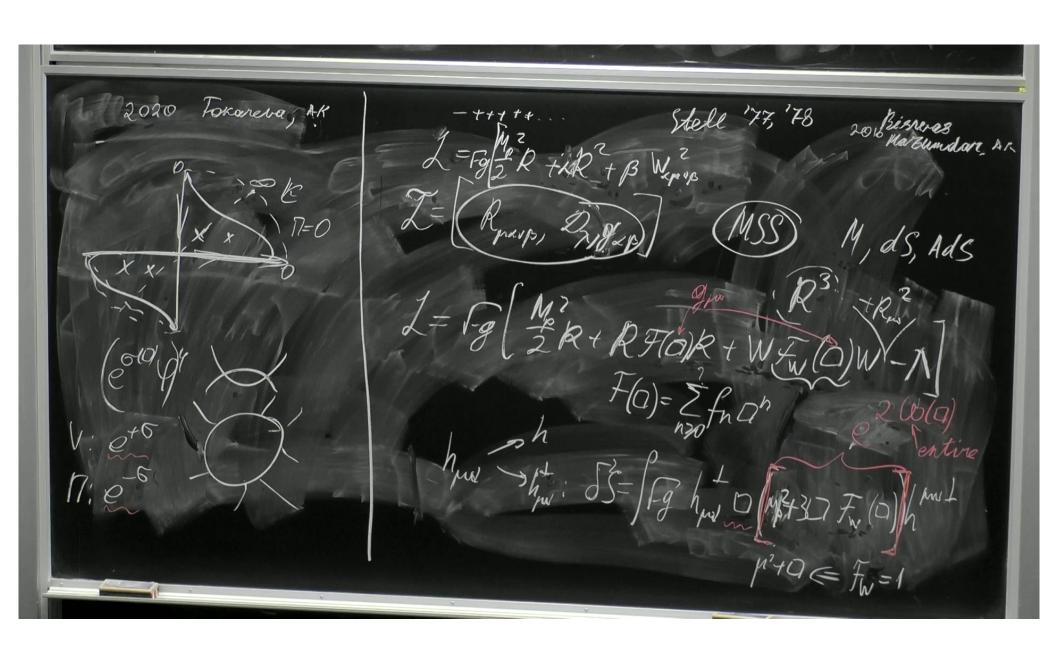
Pirsa: 24020055 Page 1/5



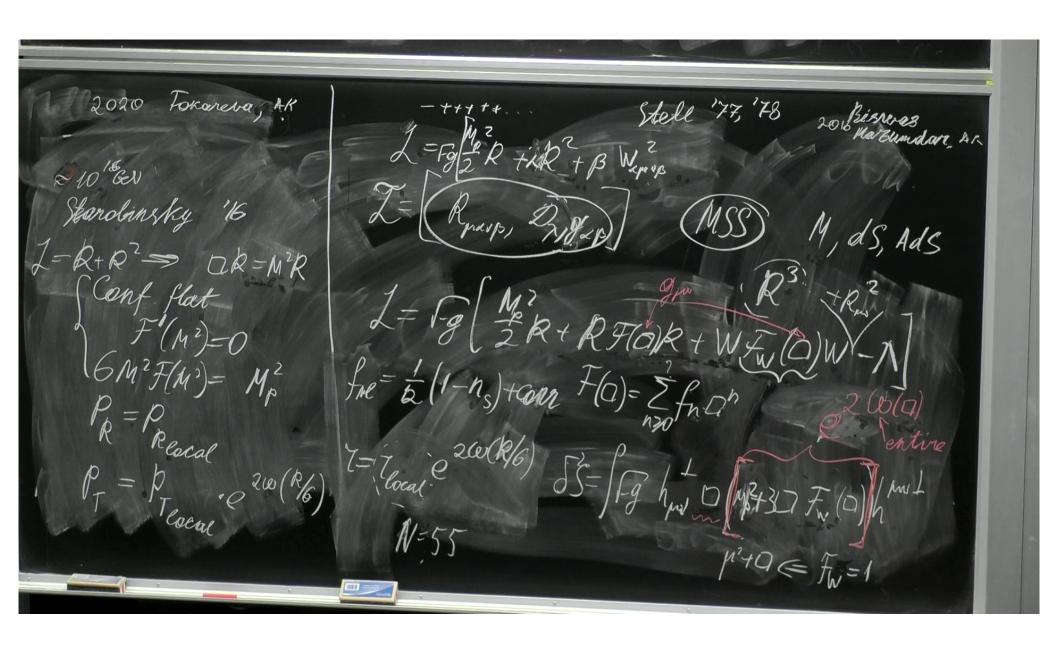
Pirsa: 24020055 Page 2/5



Pirsa: 24020055 Page 3/5



Pirsa: 24020055



Pirsa: 24020055 Page 5/5