



Contribution ID: 14

Type: **Talk/Seminar**

Construction of the cosmological model with periodically distributed dust inhomogeneities with growing amplitude.

Wednesday 25 September 2019 15:40 (20 minutes)

Analytical models which generalize the Friedmann-Lemaître-Robertson-Walker space-time are important tools in the analysis of a possible impact of the large-scale structure inhomogeneities on the cosmological observables (angular diameter distance-redshift relation, local measurements of the Hubble constant, etc.) In this talk I will present some progress in the construction of the dust-like cosmological model with a periodically distributed inhomogeneities. The most important idea in this framework is to simplify the Einstein equations by imposing specific symmetry conditions on the matter distribution in space.

Authors: SIKORA, Szymon (Jagiellonian University); Dr GŁÓD, Krzysztof (Astronomical Observatory of the Jagiellonian University)

Presenter: SIKORA, Szymon (Jagiellonian University)

Session Classification: Parallel Sessions

Track Classification: Parallel Sessions