



Contribution ID: 289

Type: **Talk**

Cosmological nonlinear density and velocity power spectra

Saturday 5 December 2015 16:15 (20 minutes)

We present the leading order nonlinear density and velocity power spectra including the vector- and tensor-type perturbation simultaneously excited by the scalar-type perturbation in nonlinear order.

Concerning density and velocity perturbations of the pressureless matter in perturbation regime well inside of matter-dominated epoch, we show that pure Einstein's gravity contributions appearing from the third order are entirely negligible in all scales.

Author: Prof. HWANG, Jai-chan (Kyunpook National Univ.)

Co-author: Dr NOH, Hyerim (Korea Astronomy and Space Science Institute)

Presenter: Prof. HWANG, Jai-chan (Kyunpook National Univ.)

Session Classification: 07 - Large scale structures