Contribution ID: **22**   Type: **not specified**

Consistency relations of the kurtosis in large scale structure and modified gravity

Wednesday, 6 March 2024 09:30 (40 minutes)

Skewness and kurtosis parameters are the quantities to probe non-Gaussianities of density fluctuations.
By introducing some spatial derivatives, we can define multiple skewness and kurtosis parameters.
We argue that the consistency relations among observables of the skewness and kurtosis parameters can be derived, particularly focusing on the kurtosis parameters in this talk.
The consistency relations can serve as a test of gravity theories.

Presenter: YAMASHITA, Sora

Session Classification: Chair: Kazuyuki Akitsu