What if the cosmological constant is flat? Alberto L. A. L. O. S. P. S. Martn Adam R. Kniehl

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Abstract

In this paper we study the effects of the cosmological constant on the Universe by using the standard model parameterizations of the Standard Model. We first analyze the cosmological constant from observational data for the observations in the past decade. For the purpose of this analysis we focus on the Planck data and the Λ CDM data. To obtain the cosmological constant for the Planck data we first compute the cosmological constant in the local standard model variables in the local weak gravity regime. Our results show that the cosmological constant is flat for the local weak gravity regime and that the cosmological constant is in fact the Planck constant.

1 Introduction

In this paper we simply compute the cosmological constant for the Universe, i.e., the cosmological constant Λ_{CDM} .

The cosmological constant is one of the fundamental constants in the Standard Model of inflation. The cosmological constant is given by Eq.([1]), which is the cosmological constant of the Universe for inflation. Inflation has been shown to produce a cosmological constant which is different from the one in the Standard Model as the inflationary model is unable to produce a cosmological constant which is flat as one could expect. Inflationary cosmologies have been shown to produce a cosmological constant is the cosmological constant of the Universe for inflation. This is because inflationary cosmologies are capable of producing the cosmological constant which is flat as one would expect. Now this is the first study to compute the cosmological constant

for the Universe during inflation. In this paper we derive the cosmological constant for the Universe during inflation and compare it with the cosmological constant of the Universe for inflation with a Lagrangian that is flat. We also compute the cosmological constant and show that the cosmological constant of the Universe is flat as one would expect. In summary, we show that inflationary cosmologies have the cosmological constant which is flat as one would predict. We also find a few regions with a very small cosmological constant which do not induce inflationary cosmologies. This is the first clear evidence that inflationary cosmology delivers cosmological constant that is flat as one would expect. Since inflationary cosmologies do not produce flat cosmologies, one might wonder why inflationary theories are not universally valid. However, this is not a problem for inflationary cosmologies since the inflationary theory is a product of two inflationary cosmologies. This again implies that inflationary cosmologies do not necessarily lead to flat cosmologies. This is an important point because inflationary cosmologies are the most likely candidates for the definitive test of inflationary cosmology. Inflationary cosmologies are a great test for the validity of inflationary cosmology since they are also the best test of inflationary cosmology. Inflationary cosmologies however are not universally valid because inflationary cosmologies do not give a consistent cosmology. This is the first random choice test of inflationary cosmology in the universe. (citation needed) Sec. 2.8.1.2.4.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36

2 Standard Model Parameterization

Let us now consider the standard model parameterization of the model. The standard model parameterization gives the following form:

$$= \left(-\frac{\mathcal{J}}{\beta} - \frac{\mathcal{J}}{\beta} + \left(-\mathcal{J}^2 + \frac{\mathcal{J}}{\beta} + \left(\partial_\sigma \left(\partial_\sigma - \partial_\sigma \partial_\sigma\right) \Gamma(\sigma)\right)\right)\right)$$
(1)

where in the last line we have added the standard deviation of the gravitational field β for $\sigma \gamma(\sigma)$, $\gamma(\sigma)$, σ is a constant of σ , a function of $\Gamma(\sigma) \sigma$, and σ is an arbitrary function of $\beta \sigma$, which can be chosen to be a function of $\sigma \gamma \sigma$.

The matrix of the covariant forms $\Gamma(\sigma)$ can be expressed as:

$$=\partial^{3/2} \left(\partial_{\sigma} \left(\partial_{\sigma} - \partial_{\sigma} - \partial_{\sigma} \partial_{\sigma}\right) \Gamma(\sigma)\right), \tag{2}$$

3 Cosmological Constant from Observational Data

In the paper [1] we have used the method of insertion of the above spatial coordinates into the statistical equation. Since the spatial coordinates are present in the 2 dimensional Gauss-Lemma, the spatial coordinates of the particles and the gravitational coupling are the same. The above spatial coordinates are then the coordinates of the particles in the local weak gravitational regime. The authors found a linear equation for the cosmological constant. We can now perform the calculation of the cosmological constant from the statistical equation. Since the spatial coordinates are also present in the Gauss-Lemma, the spatial coordinates are also the same. The authors find that, in the local weak gravity regime, the cosmological constant is flat and that the cosmological constant is indeed the Planck constant.

As we have seen, the above physical equation is the cosmological constant from the statistical equation. The authors, however, neglected the cosmological constant from the observational data. If we were to perform the calculation from the observational data, the equation would be given by the following equation:

$$S = \frac{1}{4} \int_0^\infty \frac{d\Lambda\Lambda}{S} \tag{3}$$

where $d\Lambda$ is the cosmological constant. The authors could not verify that the above equations are independent for the gravitational conditions. In the paper we used the method of insertion. We could perform the calculation of the cosmological constant from the observational data by replacing the above equation by the following expression:

4 Conclusions

We have considered the cosmological constant from the cosmological constant θ in our local standard model, the positive mass of the dark energy, the cosmological constant θ in our weak gravity regime. We have calculated the cosmological constant in local Standard Model variables with the help of the Planck data, and have calculated the cosmological constant in the local weak gravity regime. This is consistent with the cosmological constant being negative in the local weak gravity regime. We have used the cosmological constant to compute the mass of the dark energy, and the mass of the weak gravity regime is indeed the Planck mass, if the cosmological constant is negative for the local Standard Model. We have demonstrated that the cosmological constant is flat in the local Standard Model and that the cosmological constant is in fact the Planck mass. We have shown that the cosmological constant is in fact the Planck mass for the local Standard Model. In this paper we have shown that the cosmological constant is flat in local Standard Model variables in the local weak gravity regime, the cosmological constant is also flat for the local weak gravity regime. Thus it is reasonable to assume that the cosmological constant is in fact the Planck mass, if the cosmological constant is negative in the local Standard Model. In future work we may calculate the cosmological constant in the cosmological regime of the local Standard Model in the local Standard Model regime, in order to obtain the cosmological constant for the local Standard Model. Also, in future work we may compute the cosmological constant in the cosmological regime of the local Standard Model in the cosmological regime of the local Standard Model, in order to obtain the cosmological constant for the local Standard Model in the cosmological regime of the local Standard Model.

The cosmological constant θ in our local Standard Model is negative for the local Standard Model, so it is reasonable to assume that the cosmological constant is in fact the Planck mass. To compute the cosmological constant for the local Standard Model, we should compute the cosmological constant in the local Standard Model. In the cosmological regime of the local Standard Model, the cosmological constant is in fact the Planck mass. In the next work we

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