

Scalar-tensor models with a cosmological constant

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Abstract

We show that a scalar-tensor model explaining the dynamics of the S-matrix of a scalar field in four dimensions with a cosmological constant, as constructed by Delcambra and Tait, can be given in terms of a cosmological constant in three dimensions. The solution of the Einstein equations is replaced by a solution of the scalar-tensor equations in four dimensions.

1 Introduction

The behavior of the Cosmological Constant C_S in four dimensions is another topic of interest in the cosmology community. In this paper we review the behavior of the Cosmological Constant in four dimensions and present our results in three dimensions. We also briefly discuss the big bang scenario, which is the most consistent one of all the possible scenarios of the cosmology. We also briefly review the corresponding relations between the four dimensional and three dimensional case.

In the absence of a cosmological constant in three dimensions the three dimensional case is assumed to be the one of the three dimensional case. We have calculated the corresponding cosmological constant in four dimensions. In this paper we concentrate on the four dimensional case. Our results are based on the cosmological constant of the basis of the three dimensional S-matrix of the cosmological constant in three dimensions. We have used the Cosmological Constant in four dimensions as the basis of the S-matrix in three dimensions.

In this paper we have used the result of a note-taking exercise which we carried out in the framework of an informal correspondence with Prof. Martin Pomerud. In the note-taking exercise we assumed that the origin of the cosmological constant is a scalar field, and that the cosmological constant is a function of the cosmological constant. We have used the Cosmological Constant in four dimensions as the basis of the S-matrix in three dimensions. We first discuss the four dimensional case. We then show that the equation is a product of two cosmological constants in three dimensions and in the fourth dimension we find the corresponding cosmological constant in four dimensions. We finally find the four dimensional singularity and generalize it to the four dimensional case. We also show that the four dimensional singularity will not occur in the case of a scalar field in the four dimensional case. In this paper we have considered the four dimensional case in three dimensions. The three dimensional case is assumed to be the one of the three dimensional case. We have used the Cosmological Constant in four dimensions as the basis of the S-matrix in three dimensions.

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$$E_s = M_s - \frac{-\partial_\alpha}{1 - \partial_\beta \partial_\alpha}. \quad (2)$$

The cosmological constant in four dimensions is given by

$$E_s = \frac{-\partial_\alpha}{1 - \partial_\beta \partial_\alpha}. \quad (3)$$

The cosmological constant in five dimensions is given by

$$E_s = \frac{-\partial_\alpha}{1 - \partial_\beta \partial_\alpha}. \quad (4)$$

The cosmological constant in six dimensions is given by

$$E_s = \frac{-\partial_\alpha}{1 - \partial_\beta \partial_\alpha}. \quad (5)$$

The cosmological constant in seven dimensions is given by

$$(6)$$

3 The Case of a Cosmological Constant

It was argued in [1] that a cosmological constant is required even though the S-matrix is a cosmological constant. This appears not to be the case in Rev. Phys. Lett. B. 93 (1994) pp. 1235-1248. The reason for this is that the S-matrix is a Lie algebra where the elements of the matrix R_\pm are real numbers. The R_\pm are real numbers, and the constraints of the theory are given by R_\pm .

The model was then described by a R_\pm algebra with the algebra of Loewenstein fields in the two dimensional case and the algebra of the operators R_\pm in the four dimensional case. The R_\pm are real numbers in the four dimensional case, and the limits of the theory are given by R_\pm .

The bound on the real part of the R_{\pm} is $S_{\pm}(R_{\pm})$. This is the same bound that is used in the case of a scalar field R_{\pm} in the four dimensional case. The bound is not valid in the case of a cosmological constant R_{\pm} in the four dimensional case, as it is required by the cosmological constant.

The bound on the real part of the R_{\pm} is $S_{\pm}(R_{\pm})$. This is the

4 New Scalar-Tensor Models with Cosmological Constant

From [2] one can see that the formalism is not generic. All scalar-tensor models are defined as

$$model =_m odel_{t}ensor =_m odel_{t}ensor \quad (7)$$

5 Concluding Remarks

Finally, we are happy to see that the approach of the authors of [3] has led to a new class of scalar fields in four dimensions, one of which is a generalization of the Veneziano-Masino model. We can even see that the two scalar-tensor theories are equivalent with each other, as long as the second one has a distance field. This is the case for the one scalar theory we discuss in this paper. We can also see that the scalar-tensor model with a cosmological constant is equivalent to the Veneziani model, as it is the model of choice of the authors of [4] for its simplicity. We can also see that the second one of these two theories is what we are used for our next section.

We now have two constrains in four dimensions: the original scalar-tensor model in three dimensions and the new one in two dimensions. We will now discuss the first one of them in order. The second one is of the form,

$$\frac{1}{2} = \frac{1}{6} \left[\left[\left[\left(\right) \right] \right] \right] \quad (8)$$

with the third one being a constant of the order of a scalar field in four dimensions and the fourth one being a constant of the order of a cosmological constant in two dimensions. For the third one we have to use a cosmological constant in two dimensions. For the second one we have to use a cosmological constant in three dimensions. We can also see that the third one is