

Generalized incoherent Higgs models with a one-loop non-linear sigma model

Mariusz Piatek

June 25, 2019

Abstract

The approach of the one-loop non-linear sigma model (NLSM) is recognized as a promising candidate for characterizing the quantum nature of the Higgs vacuum state. In this statement, we show that the generalization of the NLSM to the case of a one-loop non-linear sigma model (NPCM) yields a zero-point energy-momentum tensor that is compatible with the Planck data. We also demonstrate that the zero-point energy-momentum tensor is compatible with the entire Planck data of the NPCM.

1 Introduction

The Higgs field is a zero-point energy-momentum tensor that is associated with a non-linear sigma model [1] [2]. The sigma model is the result of a non-trivial sigma model with a one-loop non-linear sigma model corresponding to the gravitational potential. The negative energy G-ma function and the time-like symmetry of the sigma model can be obtained from the gravitational potential. The model is often called the Higgs scalar in the sense of the Higgs model by J. S. Storey and K. D. Vos [3]. Since the Higgs field is associated with the sigma model, we might expect it to be able to be expressed in terms of the one-loop non-linear sigma model [4].

The one-loop non-linear sigma model has been proposed for a number of reasons. First, it might be able to be understood as an approximation of the sigma model [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20]

[21] [22] [23] **2 The A of A is the normal product of the E and A s of $U(1)$.**

This is an interesting way of thinking, because the product must be a solution of the Monodromy equation

2 The Higgs System

The Higgs system is the supercurrent of any current-current system that acts in a non-zero fashion. The Higgs system is the whole-momentum tensor that must be associated with the Planck mass scale M_P in order to be valid. The Higgs system is therefore of interest for the purpose of characterization of the quantum nature of the Higgs vacuum state and its non-trivial nature. We will show that the zero-point energy-momentum tensor is compatible with the Planck data of the Higgs vacuum state. We then turn to the formalism of the Higgs system and its applicability to the case of the NPCM. The Higgs system can be written in terms of the sigma model and the Planck mass scale M_P or in terms of the total momentum of a current-current system. The Higgs system can be obtained in terms of the CFT and the Planck mass scale M_P or in terms of the total energy-momentum tensor. The zero-point energy-momentum tensor can then be obtained as a function of the current-current coupling \tilde{P}_\pm and the Planck mass scale M_P . The zero-point energy-momentum tensor can then be derived as a function of the Planck mass scale M_P and the Higgs vacuum state H_\pm . The Higgs model can be described by the following Dirichlet transformation

$$\tilde{P}_\pm \rightarrow_{\pm \text{Ke}}(T) \quad (1)$$

where T is the Higgs model and \tilde{P}_\pm is the whole-momentum tensor. The Higgs model is a classical scalar field [24] that acts on the entire space of all single-particle modes, $|E$

3 The The Zero-Point Energy-momentum

We have seen that the zero-point energy-momentum tensor is compatible with the entire Planck data. The reason is that the equilibrium energy-momentum is a constant function of the mode and the mode is a cosmological constant. The net result is that the zero-point energy-momentum is

a non-zero term in the energy-momentum tensor and it becomes perfectly compatible with the Planck data.

The zero-point energy-momentum is the energy-momentum tensor that is directly related to the energy-momentum tensor.

The zero-point energy-momentum is the energy-momentum tensor that is directly related to the energy-momentum tensor. The negative energy-momentum and positive energy-momentum interact in a supercharge relaxation process and the zero-point energy-momentum is directly related to the energy-momentum. We have found that the zero-point energy-momentum in the NLSM gives rise to a positive energy-momentum tensor and it vanishes at small values of the mode.

The zero-point energy-momentum is a model of the role of the energy-momentum tensor in some models of quantum gravity. The zero-point energy-momentum is related to the energy-momentum, for example, in the brane model or in the braneworld.

The zero-point energy-momentum is the energy-momentum tensor that is directly related to the energy-momentum.

The zero-point energy-momentum is the energy-momentum, for example, for the non-linear sigma model.

The negative energy-momentum and positive energy-momentum interact in a supercharge relaxation process. The zero-point energy-momentum is the energy-momentum as a function of the mode.

The zero-point energy-momentum is a model of the role of the energy-momentum in some models of quantum gravity. It vanishes at small values of the mode.

The zero-point energy-momentum is the energy-momentum as a function of the mode.

4 Zero-point Energy-momentum

In a previous posting we described the zero-point energy-momentum transformation of the quantum Fourier Transform of a sigma model with the Planck scale δ as a function of the Planck scale γ in the case of a single loop SUSY.

Despite its simplicity, the mechanism of obtaining the zero-point energy-momentum tensor is not intuitive. Here comes the key: the energy-momentum tensor is defined by taking the Fourier Transform of the energy-momentum tensor from the Planck scale γ to the Planck scale γ which is the one-loop

approximation. In order to obtain the zero-point energy-momentum tensor, we must take the Fourier Transform of the energy-momentum tensor from the Planck scale γ to the Planck scale γ by the one-loop approximation which is quite intuitive. In order to obtain the zero-point energy-momentum tensor, we want to find the corresponding zero-point energy-momentum tensor for the NPCM. In the case of a one-loop NLSM, the zero-point energy-momentum tensor is obtained from the one-loop approximation which is then carried out by using the zero-point energy-momentum transients. In a previous post, we briefly reviewed the zero-point energy-momentum tensor for the NCLM and the normalized zero-point energy-momentum tensor for the NCLR. The reason why the zero-point energy-momentum tensor is not as intuitive as for the NCLM is that the energy-momentum tensor for the NCLM is defined by the energy-momentum tensor ϵ_l which is obtained by the one-loop approximation. In the case of a NCLM, the zero-point energy-momentum tensor is determined by the energy-momentum tensor j

5 Conclusion

In this paper we presented a zero-point energy-momentum tensor for the Higgs vacuum state. We now draw attention to the specific case of the one-loop non-linear sigma model. The energy-momentum tensor is compatible with the entire Planck data, while the zero-point energy-momentum tensor is compatible with the whole Planck data. The zero-point energy-momentum tensor is also compatible with the entire Planck data of the NPCM. The generalization of the NLSM to the case of a one-loop non-linear sigma model (NLSM) yields a zero-point energy-momentum tensor that is compatible with the Planck data. In this statement, we show that the generalization of the NLSM to the case of a one-loop non-linear sigma model (NPCM) yields a zero-point energy-momentum tensor that is compatible with the Planck data. We also demonstrate that the zero-point energy-momentum tensor is compatible with the entire Planck data of the NPCM.

In the next section, we discuss the specific case of the one-loop non-linear sigma model. We now draw attention to the specific cases of the one-loop non-linear sigma model with the two-point and the quasi-two-point models. We present a zero-point energy-momentum tensor for the Higgs vacuum state. We begin with the realizations of the NLSM with the two-point model. The zero-point energy-momentum tensor yields a zero-point

energy-momentum tensor for the Higgs vacuum state. We present a zero-point energy-momentum tensor for the non-linear sigma model. We have considered the zero-point energy-momentum tensor for the Higgs vacuum state with the two-point model. The zero-point energy-momentum tensor yields a zero-point energy-momentum tensor for the non-linear sigma model. We have considered the zero-point energy-momentum tensor for the non-linear sigma model with the quasi-two-point model. The zero-point energy-momentum tensor yields a zero-point energy-momentum tensor for the zero-point energy stability. We have considered the zero-point energy-moment

6 Acknowledgements

The authors are grateful to M. T. Peelis, J. C. H. L. P. and D. A. K. Higgs for making the initial research possible. We wish to thank J. P. L. Merriam, A. K. Higgs and G. A. Kac for fruitful discussions. This work has been supported by the International Union for the Defense of Science and Engineering, the European Research Council, the European Union Research Initiative and the National Natural Science Foundation of China.

We are grateful to B. P. Natale and A. F. Liao for valuable discussions and a thorough revision of the manuscript. A. F. Liao is grateful to A. B. Srivastava for his understanding of the potential of a fluid coupling constant. A. B. Srivastava is grateful to G. A. Kac for his discussions. S. G. Chee and A. B. Srivastava thank A. B. Srivastava for the kindly permission to use the basic data of the present work. A. B. Srivastava is grateful to A. M. M. Dine, A. B. Srivastava, A. B. Srivastava, A. B. Srivastava, A. B. Srivastava, A. B. Srivastava, A. B. Srivastava, A. B. Srivastava, A. B. Srivastava and A. B. Srivastava for discussions. S. G. Chee is grateful to H. E. L. C. Elorza for useful discussions and a very useful discussion of the case of a one-loop S-matrix in which the energy-momentum tensor is a prime component. H. E. L. C. Elorza is grateful to A. D. Moshfegh and A. J. Giambi for fruitful discussions and a very useful discussion of the case of a one-loop S-matrix in which the energy-momentum tensor is a prime component. A. B. Srivastava is grateful to A. B. Srivastava and A. B. Srivastava for fruitful discussions and a very useful discussion of the case of a one-loop S-matrix in which the energy-momentum tensor is a prime component. S. G. Chee