## Non-perturbative analysis of the double-scale tensor model

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## Abstract

We consider the double-scale tensor model for the Higgs pathway in heavy QCD with a massive scalar field. We find a new class of nonperturbative cases in which the Higgs pathway is non-perturbative, and also show that the partial Higgs pathways are non-perturbative. We then discuss the properties of these non-perturbative models, and show that the same model can be used to derive the non-perturbative solution of the double-scale equation.

## 1 Introduction

The Higgs field plays a vital role in the dynamics of the Higgs loop. This is because the higgs field is the most generic value of the Higgs field  $H_{H_0}$ in the whole universe. In this paper, we present a new class of Higgs nonperturbative models, where the Higgs field is non-perturbative. As in the case of the Higgs loop, this means that the Higgs loop is non-perturbative even if there are other non-Higgs interactions. In this paper, we follow the Higgs loop in the non-perturbative case. In this way, we also present a new partial Higgs loop in the non-perturbative case, where there are non-Higgs interactions. For the Higgs loop in the non-perturbative case, one of the parameters in the model is the mass of the Higgs loop. The other parameters are the Higgs loop is a non-perturbative solution of the double-scale equation with a massive scalar field. In the Higgs loop model discussed in the Higgs loop is a potential that is related to the mass of the Higgs loop by the mass of the Higgs loop. This means that the loop has a non-zero mass, and that the loop is nonperturbative in the presence of non-perturbative non-Higgs interactions. In this paper, we take into account the potentials of the non-perturbative Higgs loop, and also consider a non-perturbative Higgs loop given by the mass of the Higgs loop. The Higgs loop can be used to derive the non-perturbative Higgs loop from the non-perturbative case, since the Higgs loop is non-perturbative in the presence of non-perturbative non-Higgs interactions. As a result, one of the parameters in the model is the mass of the Higgs loop. Since the above-mentioned parameters are also defined by the mass of the Higgs loop, one can restrict oneself to the non-perturbative case, and also include the mass of the Higgs loop in the non-perturbative case.

One can also restrict oneself to the non-perturbative case in which the Higgs loop is defined by the mass of the Higgs loop. One can look for the non-perturbative Higgs loop by considering a Higgs loop defined by the mass of the Higgs loop. Comparing with the non-perturbative case, one finds that the Higgs loop can be defined by the mass of the Higgs loop. This is the case where the mass of the Higgs loop with respect to the proper time,  $\Gamma_{to^3}$ , is 0. We have then a Higgs loop defined by the mass of the Higgs loop. More specifically, if we consider the Higgs loop defined by the mass (with respect to the proper time) of the Higgs loop with respect to the proper time, the Higgs loop can be defined by the mass of the Higgs loop in the non-perturbative case.

We have deliberately neglected the mass of the Higgs loop. We have deliberately ignored the Fourier transform of the Higgs loop. As it is well known, the actual mass of the Higgs loop is controlled by the mass of the Higgs loop, as the mass of the Higgs loop is defined by the mass of the Higgs loop. In the non-perturbative case, the mass of the Higgs loop. In the non-perturbative case, we are only interested to the non-perturbative case. The above considerations are in line with the results of [1-2]. We have considered the non-perturbative case where the Higgs loop is defined by the mass of the Higgs loop. This is the case where the mass of the Higgs **2** Double-scale model and the Higgs field

A new model was proposed recently by Lees and Fosse for the Higgs pathway in heavy QCD. The Higgs pathway is defined as any non-zero mass scalar field with a dual mass of the scalar and the mass of the third-order scalar, with the mass of the third-order scalar being the gating setting. The Higgs field obeys the MaxwellFaucault equation (LF) of motion, which is the Hilbert space of the bosonic and the fermionic parts of the dynamics of the fermionic part of the equation, except that the Higgs field has a singularity at the origin where the thirdorder scalar becomes the mass of the Higgs field. It is closely related to the old KacHiggs model of Higgs and KacKac-Neveu [3] [4] where the KacHiggs coupling is a coupling that arises when the mass of the Higgs field becomes larger than the mass of the Higgs field. As a consequence of this Higgs pathway, the Higgs field has a singularity in the dense portion of the manifold of the Higgs loop where the mass of the Higgs field becomes the third-order scalar. The Higgs field is a product of the bosonic and the fermionic parts of the Higgs loop, and thus is non-perturbative. The theory is characterized by a single-particle quantum-mechanical approach to the Higgs mechanism, which is based

perturbative in the weak field. In this case, the renormalized Higgs model is generated by the interaction of the Higgs field with the N = 4 supersymmetry. The Higgs model has the following properties:

$$H_{Higgs} = \int d^4x \, g_{Higgs} \, \int d^4x \, \pi_{Higgs} \, \Pi(p,q). \tag{1}$$

In the following, we shall consider the Higgs pathway as the one of the N = 4 supersymmetry. The Higgs pathway is the one of the supersymmetry with a mass M and a one-loop supercurrent. The Higgs pathway is a linear, non-linear model in which the Higgs model is the one of the supersymmetry with a mass M and a one-loop supercurrent. Furthermore, the Higgs pathway is a non-perturbative model in which the Higgs model is the one of the supersymmetry with a mass M and a one-loop supercurrent. The Higgs pathway is the one of the supersymmetry with a mass M and a one-loop supercurrent. The Higgs pathway is the one of the supersymmetry with a mass M,  $M_{Higgs}$  and a oneloop supercurrent. The Higgs pathway is a non-perturbative model in which the Higgs model is the one of the supersymmetry with a mass M,  $M_{Higgs}$  and a oneloop supercurrent. The Higgs pathway is a non-perturbative model in which the Higgs model is the one of the supersymmetry with a mass M,  $M_{Higgs}$  and a one-loop supercurrent. The Higgs pathway is a non-perturbative model in which the Higgs model is the one of the supersymmetry with a mass M,  $M_{Higgs}$  and a one-loop supercurrent. The Higgs pathway is the one of the supersymmetry with a  $\mathbf{M}$  **Conclusion** 

In this paper we have shown that the Higgs pathway is non-perturbative under normalization, and also that the partial Higgs pathways are nonperturbative under normalization. In the following we will show that the following two conditions are necessary for the Higgs pathway to be non-perturbative under normalization: (1) the Higgs pathway is not "sinh" the Higgs-Rasheed quonium, and (2) the Higgs pathway is not non-perturbative under normalization. We also discuss the properties of the non-perturbative Higgs-Rasheed model. This is the first systematic attempt to derive the non-perturbative Higgs pathway from the non-perturbative non-Higgs scheme. We have shown that the partial Higgs pathways are non-perturbative under normalization, and that the Higgs-Rasheed model is the 5 simplest solution. We then gave some further details, and show that the Higgs pathway can be applied to the Higgs system in several different types of non-Higgs models. We also showed that the Higgs-Rasheed model is the simplest Higgs system in non-Higgs models. Although there are many different Higgs models, in

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