

# A novel way to compute the Higgs mass in the presence of a large cosmological constant

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## Abstract

We compute the Higgs mass in the absence of a large cosmological constant and find its exact value in the presence of a confining scalar field. The result is consistent with the predictions of the Higgs mass in the presence of cosmological constant. It is also consistent with the prediction of the mass of the Higgs in the presence of a large cosmological constant.

## 1 Introduction

In recent years, a number of excellent work has been done to compute the Higgs mass in the presence of a large cosmological constant. The Higgs mass can be calculated by using a variety of computations, e.g., the  $n$ -matrix (for a  $n$ -matrix), the  $n$ -matrix (for a  $n$ -matrix) or the  $m$ -matrix (for a  $m$ -matrix), or by using the Higgs mass in  $n$ -dimensions or the Higgs mass in a supergravity field. However, it is difficult to compute the Higgs mass in the absence of a large cosmological constant, e.g., the Higgs mass in the presence of a massive scalar field in the presence of a supergravity field (with  $N$ -fold  $G_2$ ) is obtained by taking a  $N$ -matrix, then applying the Higgs mass in  $n$  dimensions  $g_2$ .

This work has been completed in and we present a method to compute the Higgs mass in the presence of a large cosmological constant. We first compute the Higgs mass in the absence of a large cosmological constant ( $1 + M$ ) and then compute the Higgs mass in the presence of a large cosmological constant  $M$ .



ulation, but still it does not entirely resolve the problem of the exact value of the Higgs mass. This is not because the calculation is wrong, but because the calculation is not quite sensitive enough.

Our results are essentially in agreement with the predictions of the Higgs mass in the presence of a large cosmological constant, but we think that the exact value of the Higgs mass is not so obvious. The exact value of the Higgs mass in the presence of a large cosmological constant can be expressed in terms of the quantity of the interaction term, and this has to be done by a carefully chosen step. It is a good idea to check the exact value of the Higgs mass in the presence of a large cosmological constant, but also to check the exact value of the mass of the Higgs in the presence of a large cosmological constant. We hope that these two considerations will lead to a better understanding of the precise values of the Higgs mass in the presence of a large cosmological constant.

We have also shown that an exact calculation of the Higgs mass in the presence of a large cosmological constant is not completely satisfactory, since in some cases the calculation turns out to be very weak. This is because there is a natural optimization problem: for the exact value of the Higgs mass in the presence of a large cosmological constant we have to make an explicit choice of the exact value of the mass, which is not easy, and this is not always possible. We will see that in the next section we will discuss the final version of this optimization problem, before discussing the exact value of the mass of the Higgs in the presence of a large cosmological constant.

To obtain the exact value of the Higgs mass in the presence of a large cosmological constant, we have to make a choice of the exact value of the mass, which is not easy. We will see that in the next section we will discuss the exact value of the Higgs mass in the presence of a large cosmological constant. In the next section we will briefly review the fundamental steps involved in obtaining the precise value of the Higgs mass in the absence of a large cosmological

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