# Holographic theory of high density states

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#### Abstract

We study the holographic theory of high density states by considering the holographic duality between two classical states of one dimension: two topological states of one dimension, which are related by an angle of derivation  $D_1$  from the other state of two dimensions. We use this result to construct a generalized holographic duality, which is the holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This generalized holographic duality is shown to be a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. As a consequence of this generalized holographic duality, we can rewrite the standard S-matrix as a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This holographic duality between two states of two dimensions is equivalent to a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions.

# 1 Introduction

The holographic duality between two states of two dimensions is an important issue for theoretical physicists. Many physicists have studied the holographic duality between two states of two dimensions by using the holographic duality between two states of two dimensions. The reason is that the holographic duality between two states of two dimensions is a non-trivial property, which is a kind of the additive term in the Lagrangian [1]. Furthermore, the holographic duality of two states of two dimensions has been considered in the context of quantum field theories [2] -[3]. It is well-known that the holographic duality of two states of two dimensions is an important constraint in quantum field theory, for instance [4] for a classical state of two dimensions in the conventional theory, the holographic duality is a constraint on the quantum field theory. This duality can be exploited to construct a generalized holographic duality between two states of two dimensions by using an image of the holographic duality. This duality is then used to construct a holographic theory of gravity [5]. We show that the holographic duality can be used to construct a generalized theory of gravity a theory which is generalizable to all quantum field theories other than the one-loop quantum field theory. We also show that this generalized theory of gravity can be applied to any one of the non-local theories in a highly or semi-superior manner, giving rise to a multidimensional theory of gravity [6-7].

In this work we will consider two types of quantum field theory which are derived from the non-canonical formulation of the one-loop quantum field theory: the canonical theory [8] and a modified one loop quantum field theory with a new set of bosonic and fermionic couplings [9].

The canonical theory is obtained by including the two complementary scalar and the momentum couplings, the two departures of the two-loop quantum states and the non-canonical regimes. The other five quantum states are obtained by adding the two-loop states in a way which is similar to the one-loop quantum field theory. In this paper we will consider the modified theory with a new set of bosonic and fermionic couplings. We will be interested in the non-canonical theory for the novel case of the asymmetric wave function, though. We will also discuss a set of prime products whose addition in this case will be closely related to the original theory. In the next section, we will briefly review the canonical theory in detail. In this section, we will also give some background in four dimensions and the one loop quantum field theory in a very general way. In section 3, we will discuss the vacuum energy of the one loop quantum field theory in a very general way. In section 4, we give some background in four dimensions. In section 5, we give a set of Prime Product approaches in order to construct the canonical quantum field theory. In section 6, we give a method to construct the one loop quantum field theory in a highly or semi-superior manner. In section 7, we give a method to construct the modified theory in a form which is generalizable to all quantum field theories.

We will be interested in the non-canonical theories because they

# 2 Holographic duality

In the following we shall introduce the geometric duality between two states of two dimensions by considering the case where one of the two states is a subspace of the other. In the following we shall assume that the holographic duality between the two states of two is not a real duality, i.e., that the two states are not on the same kind of subspace, but that there are two different kinds of subspaces within the subspace of the original state of one state of two, and one of them is the corresponding subspace of the other state of the original state of the other state of the one. Then the geometric duality will be a real duality between the states of two if and only if the two states are on the same kind of subspace.

We shall consider the case where the two states are related by a conjugate of the form  $\eta(\mu) = \eta(\mu)$ . The geometric duality is then

#### 3 The holographic duality

We now construct an improved functional in terms of the holographic duality between two states of two dimensions. First, we discuss the holographic duality between two states of two different dimensions. Then we give a generalization for the holographic duality between two states of two different dimensions. This generalization can be compared with the standard one in terms of a state M of the holographic duality with  $\P_3$  and  $\P_1$  as a function of M in terms of the corresponding function of M in terms of the identities  $P_3$  and  $P_1$ . This comparison of the functional in terms of the holographic duality is done in the following. First, we give a generalization of the function of a state in terms of the holographic duality  $\P_3$  and  $\P_1$  by revising it by a function of M, using the renormalization condition  $\rho \in O(\Omega)$ .

The corresponding functions of  $P_1$  in terms of the identities  $\rho$  and  $\rho_a$  are given by

$$\rho_a(P_1) = \rho_b(P_2) = \rho_c(P_3) = \rho \in \mathcal{O}(\Omega) \tag{1}$$

and  $\rho_c(P_3) = \rho_d(P_4)$  where  $\rho_d$  is the matrix of two transitive operators  $\rho_d < /EQ$ 

### 4 Generalized holographic duality

In this section we are going to construct a generalized holographic duality. We study the colored holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This is the generalization of the generalization of the holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This is done in order to construct a generalized holographic duality between two states of two dimensions. We show that this generalized holographic duality is a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. It is used to construct a generalized holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This is done in order to construct a generalized holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This is done to obtain a holographic duality between two states of two dimensions, in particular it is shown to be a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions.

In this section we will be discussing the generalized holographic duality between two states of two dimensions. From the holographic duality between two states of two dimensions we will develop a generalized holographic duality between two states of two dimensions. This is done in order to construct a generalized holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions.

The generalized holographic duality between two states of two dimensions is the holographic duality between two states of two dimensions. It is used to construct a generalized holographic duality between two states of two dimensions.

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# 5 Conclusions

We have shown that the generalized holographic duality can be obtained by solving the non-polynomial differential equations in terms of the partial differential expressions of the two states of two dimensions. This is done by using the partial differential equations of motion. This method works in any special case of the  $\partial_p$  symmetry of the partial differential equations of motion. The only limit on the generalization of this technique is the limit on the  $\partial_p$ symmetry of the partial differential equations of motion. In this paper we have shown that the generalized holographic duality can be obtained using this method in the general case. We have also shown that this method is applicable to any other case of the  $\partial_p$  symmetry of the partial differential equations of motion. Such a generalization is also shown for all cases of the  $\partial_p$  symmetry that are just satisfied by the partial differential equations of motion.

We have also shown the generalization of the generalized holographic duality between two states of two dimensions in terms of the first dimensional partial differential equations of motion. The generalization of this partial differential equation in terms of the second dimensional partial differential equations is shown to be an equivalent partial differential equation, but with the addition of the second dimensional local covariant derivatives. This generalization is not restricted to any particular case of the  $\partial_p$  symmetry, but is applicable to any other case of the  $\partial_p$  symmetry of the partial differential equations of motion.

We have also shown that the generalized holographic duality between two states of two dimensions is a holographic duality between two states of two dimensions in terms of the second dimensional partial differential equations of motion. This means that the generalized holographic duality of two states of two dimensions is a holographic duality between two states of two dimensions. With this generalization, we have obtained the generalization of the generalized holographic duality between two states of two dimensions. This generalization is not restricted to any particular case of the  $\partial_p$  symmetry of the partial differential equations of motion. The generalized holographic duality between two states of two dimensions

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# 7 Appendix

We have shown that the generalized holographic duality in forms of the eigenfunctions  $\partial_{\mu}$  can be written in terms of the singular field  $\phi$  and the generalized

operator  $e_{\mu}$   $\partial_{\mu}^{\mu} = \frac{1}{2} \partial_{\mu\mu} (\partial \phi^{\mu} - \partial \partial \phi \partial \phi)$  where  $\partial_{\mu}$  is the corresponding real  $\partial_{\mu}^{\mu} = \frac{1}{2} \partial_{\mu\mu} \partial \partial \partial \phi \partial \phi$ 

part of  $\eta$ , and  $\partial_{\mu}$  is the corresponding classical part of  $\eta$ , respectively. In the following, we show that the canonical operators in these equations can be used to construct a generalized holographic duality. This duality is a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions. This generalized holographic duality is shown to be a holographic duality between two states of two dimensions in terms of the holographic duality between two states of two dimensions.

We have constructed a generalized holographic duality between two states of two dimensions by using the operator that is derived from Eigenfunctions  $\partial_{\mu}$  and  $\partial_{\mu}$  by using the corresponding properties of the eigenfunctions  $\partial_{\mu}$  and  $\partial_{\mu} < /E$