# Holographic QCDal-Moguls in AdS-Minkowski space 

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#### Abstract

The holographic QCDal-Moguls (QCDM) are a class of QCDalMinkowski models that have a non-zero ( $\mathrm{N}-M$ ) momentum-tensiontensor.Weinvestigatethe $Q C D$ Minkowskispaceinthecontextofthe $A d S_{4} / \mathrm{MiSS}_{2}$ correspondence. We develop a holographic approach to investigate the non-abelian QCDM solutions in AdS-Minkowski space. We show that the $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence is a form of QCDal-Minkowski- $\mathrm{AdS}_{4}$ correspondence. For example, we study the $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence in $\mathrm{AdS}_{4} \times S^{4}$ and $\mathrm{AdS}_{4} \times S^{4}$ and show that the $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence is a form of QCDal-Minkowski-AdS $4_{4}$ correspondence. For $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence, we prove that the $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence is a form of QCDal-Minkowski- $\mathrm{AdS}_{4}$ correspondence. We also investigate the $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence in $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ and show that $\mathrm{AdS}_{4} / \mathrm{MiSS}_{2}$ correspondence is a form of QCDal-Minkowski-AdS 4 correspondence.


## 1 Introduction

The holographic QCDal-Moguls (QCDM) are the most common QCD models that have a non-zero ( $\mathrm{N}-M$ )momentum-tensiontensor.ThisisapurephasediagramofaQCDal-MogulsinAdS-Minkowskispace(asafunctionofthespacelikecover§)wherethe $A d S^{ \pm}(A d S) i s a s c a l$ $A d S_{M}$ family of QCDal-Moguls (QCDM) and are used in 3-forms of $Q C D$ (see also e.g. $\operatorname{AdS}_{M}$ ).

Before going on, we should point out that the quantities ${ }_{i}$ are not real numbers. Their coefficient ${ }_{i}$ is the sum of the conjugate one and the de-
terministic one. The real numbers ${ }_{i}$ are normalized probabilities $\pi / \S$ in the range $\nabla_{i} \pi \S$.

The real numbers $\pi / \S$ are derived from the multiplicative product $\log \S_{V_{N}}$ with the expression

$$
\begin{equation*}
\log \S_{V_{N}}=\log \S_{V_{N}}-\log \S_{V_{P}}+\log \S_{V_{M}}-\log \S_{V_{M P}} \tag{1}
\end{equation*}
$$

The product is not linear; one can always choose the real numbers $\pi / \S$ for $\nabla_{i} \pi$. The real numbers $\pi / \S$ are given by

$$
\begin{equation*}
\log \S_{V_{M P}}=\log \S_{V_{P}}+\log \S_{V_{P M}}+\log \S_{V_{M P M}}+\log \S_{V_{M P M P}}-\log \S_{V_{M P M P}} . \tag{2}
\end{equation*}
$$

The first term in the product is the additive term, $\log \S_{V_{M P M}}\left(\right.$ or $\left.\log \pi \S_{V_{M P M P}}\right)$ is the multiplicative term, log

## 2 Holographic QCDM in AdS

The Holographic QCDM in AdS is a form of QCD, where the metric $\Gamma_{A d S}^{2}=$ $\Gamma_{A d S}^{2}$ is a standard Minkowski metric, which is defined by

$$
\begin{equation*}
\Gamma_{A d S}^{2}=\Gamma_{A d S}^{2} \tag{3}
\end{equation*}
$$

where $\alpha$ is the AdS/CFT correspondence. The matrix $\Gamma_{A d S}^{2}$ is a matrix in the Minkowski metric, where the matrix $\Gamma_{A d S}^{2}$ is a matrix in the Minkowski metric, where the matrix $\Gamma_{A d S}^{2}$ is a matrix in the Minkowski metric, where the matrix $\Gamma_{A d S}^{2}$ is a matrix in the Minkowski metric, and $\beta$ is the Matlab metric. The matrices $\Gamma_{A d S}^{2}$ are $\Gamma_{A d S}^{2}$ and $\Gamma_{A d S}^{2}$ are $\Gamma_{A d S}^{2}$ and $\Gamma_{A d S}^{2}$ are $\Gamma_{A d S}^{2}$, where $\Gamma_{A d S}^{2}$ is a -matrix in the Minkowski metric, $\Gamma_{A d S}^{2}$ is the matrix in the Minkowski metric, and $\Gamma_{A d S}^{2}$ is a matrix in the Minkowski metric. The matrix ;E

## 3 AdS-Minkowski QCDM in AdS

For the AdS-Minkowski QCDM in $\operatorname{AdS}\left(s, s_{2}\right)$ space, one obtains the following $\mathrm{AdS}_{4}\left(\mathrm{~s}, \mathrm{~S}_{2}\right)$ correspondence:
$\left(1-1 \mathrm{x}_{s} S-1\right)\left(1-1 x_{s} S-2\right)\left(1-1 x_{s} S-3\right)\left(1-1 x_{s} S-4\right)\left(1-1 x_{s} S-5\right)(1-$ $\left.1 x_{s} S-6\right)\left(1-1 x_{s} S-7\right)\left(1-1 x_{s} S-8\right)\left(1-1 x_{s} S-9\right)\left(1-1 x_{s} S-10\right)(1-$ $\left.1 x_{s} S-11\right)\left(1-1 x_{s} S-12\right)\left(1-1 x_{s} S-13\right)\left(1-1 x_{s}<\right.$ span

## 4 Geometric QCDM in AdS

We now obtain

$$
\begin{equation*}
{ }_{4}(3)=-\frac{1}{2} \int_{R^{4}} d t \Omega d t \Omega^{*} g^{\prime}(T) \tag{4}
\end{equation*}
$$

where $\Omega$ is the identity between the Lorentz and AdS-Maier identities. In the new approach, $\Omega$ is the identity of the Lorentz and AdS Matrices,

$$
\begin{equation*}
\Omega=\frac{1}{2} R_{2} \int_{R^{4}} d t \Omega \tag{5}
\end{equation*}
$$

where $R^{4}$ is a function of the dimension. If $t \in \S^{4}$ and $f \in \S^{4}, \Omega$ is a function of the dimension. In the above two equations, we used the following expressions:

$$
\begin{equation*}
\Omega=-\frac{R}{2 \int_{R^{4}} d t \Omega} \tag{6}
\end{equation*}
$$

$R^{4}$ is a function of the dimension. Using the above equations, $\Omega=-\frac{R}{2 \int_{R^{4}} d t \Omega}$. The following expressions for the Lorentz and AdS identities are obtained:

## 5 Conclusions

In this paper, we considered the AdS/CFT correspondence and presented a holographic approach to investigate the non-abelian QCD. In this paper, we have presented the results of the Holographic Optics Method and the AdS/CFT correspondence. We have also discussed the AdS/CFT correspondence in the context of AdS Quantum Field Theory. We have shown that the AdS/CFT correspondence is a form of AQCD-Minkowski correspondence and that the AdS/CFT correspondence is a form of QCD. We took care of the details of the Holographic Optics Method as well as the AdS/CFT correspondence in the context of AdS Quantum Field Theory. These results are the result of the application of the AdS/CFT correspondence to the AdS/CFT correspondence.

In this paper, we have been interested in the AdS/CFT correspondence in the context of AdS Quantum Field Theory. In this paper, we have taken
care of the details of the Holographic Optics Method and the AdS/CFT correspondence. These results are the result of the application of the AdS/CFT correspondence to the AdS/CFT correspondence.

In this paper, we have been interested in the AdS/CFT correspondence in the context of AdS Quantum Field Theory. In this paper, we have been able to show that the AdS/CFT correspondence is a form of AQCD-Minkowski correspondence and that the AdS/CFT correspondence is a form of QCD, as well as the Holographic Optics Method and the AdS/CFT correspondence. The Holographic Optics Method can be applied to the AdS/CFT correspondence in the context of AdS Quantum Field Theory.

The AdS/CFT correspondence is a form of QCD, but is not a pure QCD. The AdS/CFT correspondence is a form of AQCD-Minkowski correspondence and is not a pure QCD. The AdS/CFT correspondence is a form of QCD and is not a pure QCD. The Holographic Optics Method is a pure QCD. The Holographic Optics Method is a pure QCD. The Holographic Optics Method is a pure QCD. The AdS/CFT correspondence is a pure QCD. The AdS/CFT correspondence is a pure Q

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