

The dual Meissner effect due to the violation of non-Abelian Bianchi identity

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Quark confinement is still an unsolved problem. The dual Meissner effect is one of the ideas of this mechanism. In this picture, it is considered that the color flux tube between quarks is caused by the condensation of monopole in the QCD vacuum. However, how to define monopole in QCD is a difficult problem. Recently, it was shown the violation of non-Abelian Bianchi identity is equal to Abelian-like monopole currents. In this talk, we show numerical results of the dual Meissner effect due to these monopole currents.

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