

Review of: "Dimensional Regularization as Mass Generating Mechanism"

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Potential competing interests: No potential competing interests to declare.

In this paper the author investigated the relationship between the dimensional regularization and the mass generation. He identifies $\epsilon=4-d$ with a small cutoff regularization parameter as $\epsilon=m^2/\Lambda^2$, where he considers the quadratic divergence of the self-energy correction. Since the four-point function shows a logarithmic divergence, the correspondence $\epsilon=1/\log(\Lambda^2/m^2)$ is also possible. The renormalization method is usually applied to a system with logarithmic divergences. Thus, it is not clear whether there is a consistent correspondence between two regularization procedures for quadratic divergences. I think that it is not easy to justify the author's proposal.

It is important whether the paper is intended to be published as an original paper or a paper something like a review report. The table 2 and other materials are already published by the author. Thus, the manuscript cannot be published as an original article.