Cluster Diagrams of Gamma functions in the Minkowski spacetime

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Abstract

We study the Minkowski spacetime cluster diagram for a class of noncommutative noncommutative Gamma functions. We show that the cluster diagrams of the Minkowski spacetime are the same as the cluster diagrams of the Minkowski spacetime, but that there are only two Minkowski diagrams. We also illustrate the inverse clustering theorem and the 3D, 4D, and 5D Minkowski diagrams.