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## Generalization of SU(N) gauge theory in quantized space-time.

In this study, we construct and analyse SU(N) gauge theory in quantized space-time. Starting from  $\kappa$ -deformed Wong's equation and using Jacobi identities involving the  $\kappa$ -deformed space-time coordiantes and velocities, we derive the Yang-Mills equation.

## **Field of contribution**

Theory

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