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## Normalizing flows for $SU(n)$ gauge theories employing singular value decomposition

*Wednesday, 31 July 2024 12:35 (20 minutes)*

In this talk, we give a progress report on exploring the method of normalizing flows for generating gauge configurations. We discuss how to use the singular value decomposition (SVD) to construct gauge-invariant quantities, which can be employed to build gauge equivariant transformations of  $SU(n)$  gauge links. We discuss this algorithm's efficiency compared to Wilson loops' spectral flow.

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