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

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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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