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Double-winding Wilson loops towards flux tube interaction in SU(N) lattice gauge theory

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We study “”shifted”” double-winding Wilson loop average in SU(N) lattice Yang-Mills theory by using both strong coupling expansions and numerical simulations.
We evaluate its average by changing the distance of a transverse direction.
From this result, we discuss how interactions between the two color flux tubes change, when the distance R is varied.

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