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Type: Oral Presentation

Memory in non-Abelian Gauge Theory

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This project addresses the study of the memory effect. We review the effect in electromagnetism, which is an abelian gauge theory. We prove that we can shift the phase factor by performing a gauge transformation. The gauge group is $U(1)$. We extend the study to the nonabelian gauge theory by computing the memory in $SU(2)$ which vanishes up to the first order Taylor expansion.

Apply to be considered for a student award (Yes / No)?

Yes

Level for award (Hons, MSc, PhD, N/A)?

MSc

Main supervisor (name and email) and his / her institution

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Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

No

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