

**Two-loop evaluation of large Wilson loops with overlap fermions,
and the b-quark mass shift**

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Abstract: We compute, to two loops in perturbation theory, the fermionic contribution to rectangular $R \times T$ Wilson loops, for different values of R and T . We use the overlap fermionic action. We also employ the clover action, for comparison with existing results in the literature.

In the limit $R, T \rightarrow \infty$ our results lead to the shift in the b-quark mass.