

## Shift-Symmetries at one-loop

*Thursday, 14 January 2016 17:30 (25 minutes)*

A feature of the low energy theories of certain string models is the existence of a shift-symmetry in the Kähler potential at tree level. In this talk I will consider the fate of this shift-symmetry at one-loop and show that while it does not generally hold at this order, there is a certain limit of compactification where the symmetry is restored. I will then argue why we expect this restoration to hold to all orders in perturbation theory.

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**Session Classification:** Parallel session