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Upper bound on the Atiyah–Singer index from tadpole cancellation

Tuesday 4 July 2023 14:00 (15 minutes)

I will discuss upper bounds on the generation number of chiral zero-modes in heterotic and Type II string theories. We find that tadpole cancellation conditions lead to the small generation number of quarks and leptons.

Presenter: OTSUKA, Hajime

Session Classification: Parallel