

Introduction to differential equation method for Feynman integral

Friday, 30 October 2020 01:00 (1 hour)

Feynman integrals are one of the important ingredients to provide precise theoretical predictions for process at the LHC. Recently, there is significant progress in calculating Feynman integrals using differential equation method. In this lecture, I will introduce the canonical form of differential equations, the corresponding integrals called canonical basis, and I will discuss how to solve the equations. Finally, I will review recent progress in constructing canonical basis.

Presenter: 徐小峰

Session Classification: 解析计算