ACAT 2008



Contribution ID: 38

Type: Parallel Talk

Feynman Diagrams, Differential Reduction and Hypergeometric Functions

Wednesday, 5 November 2008 17:00 (25 minutes)

Recent results related with manipulation of hypergeometric functions: reduction and construction of higher-order terms in epsilon-expansion is revised. The application of given technique to the analytical evaluation of Feynman diagrams is considered.

Primary author: Dr KALMYKOV, mikhail (Hamburg U./JINR)
Co-author: Prof. KNIEHL, Bernd (II. Institut für Theoretische Physik, Hamburg U.)
Presenter: Dr KALMYKOV, mikhail (Hamburg U./JINR)
Session Classification: Methodology of Computations in Theoretical Physics - Session 2

Track Classification: 3. Computation in Theoretical Physics