学术报告

Additive Decompositions for Symbolic Integration and Summation

Prof. Ziming LI（李子明 教授）

Chinese Academy of Sciences（中国科学院）

Time： 15:00-16:00, November 22 (Thursday) 2018

Venue： Room 108, Center for Applied Mathematics

Abstract： Additive decompositions are useful to determine integrability and (q)-summability and to construct telescopers.

In this talk, we review some recent developments for additive decompositions with rationality, integrability, (q)-summability and minimality. Furthermore, we present an additive decomposition in primitive towers of straight and flat types. The decomposition enables us to compute some integrals of logarithmic functions without solving Risch's equation.

This is joint work with Shaoshi Chen and Hao Du.

欢迎大家参加！