

國立交通大學應用數學系

學術演講公告

主講人：佐藤信夫教授(台灣大學 數學系)

講題：The two-one formula for multiple zeta values revisited

時間：109 年 10 月 13 日(星期二) 下午 14:00 –15:00

地點：(光復校區) 科學一館 223 室

茶會：當天下午 13:30 (科學一館 205 室)

Abstract

A multiple zeta value, or MZV in short, is a generalization of the Riemann zeta value at a positive integer, defined by a certain nested infinite sum. It is well known that MZV's satisfy a large family of linear/algebraic relations over the rationals. Among such relations is the so-called two-one formula, which was first conjectured by Ohno and Zudilin as a generalization of their formula and was later proved by Zhao in a quite ingenious but also mysterious way. In my talk, I would like to revisit the two-one formula from the viewpoint of iterated beta integrals introduced by Hirose and myself. Our new viewpoint provides a clear understanding of the phenomena as well as a universal way to prove identities of similar flavors, such as Zagier's 2-3-2 formula and its generalization.

敬請公告 歡迎參加

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