國立中山大學應用數學系
學術演講

講　者：黃皓文博士
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講　題：The Askey–Wilson algebras
時　間：2015/12/31（星期四）14：10～15：00
地　點：理學院四樓理 SC 4009-1 室
茶　會：15:00 於理 SC 4010 室（系辦公室）

摘要

　　Motivated by different reasons, the Askey–Wilson algebras were introduced by Terwilliger and Zhedanov independently around 1990. One was inspired by the Leonard's characterization of q-Racah polynomials. The other introduced these algebras to describe the hidden algebraic structure of Racah–Wigner coefficients of $U_q(\mathfrak{sl}_2)$. In this talk, I will give a brief introduction of the two motivations and explain why these algebras are named after Askey and Wilson. If time permits, I will present my recent works on the representation theory of Askey–Wilson algebras.

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