

國立清華大學數學系學術演講

NTHU MATH Colloquium

講題 On the development of mathematical theory of Synchronization

講者 夏俊雄教授 (台灣大學數學系)

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地點 Room 101, General Building III

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Abstract

Synchronization is a pervasive phenomenon which has been observed in biological, chemical, physical and social systems. The first reported observation of synchronization dates back to the 17th century; a Dutch scientist, Christiaan Huygens has discovered in 1665 that two pendulum clocks hanging on the wall have always ended up swinging in exactly the opposite direction from each other. Since then, various synchronization phenomena have been reported. In this talk, we shall introduce the development of the mathematical theory in the past 70 years and some scientific applications of synchronization theory.