## 國 立 清 華 大 學 數 學 系 學 術 演 講 NTHU MATH Colloquium

- 演講者: Prof. Y.L. Tsai 蔡亞倫 (National Chung Hsing University)
- 講 題: On Maxwell's conjecture and some progress by using algebraic geometry
- 時 間: Nov. 07, 2016 (Mon) 4:30pm 5:30pm
- 地 點: 綜合三館4F Lecture Room B
- 茶 會: 3:00pm, R707

## Abstract:

In his book of "A Treatise on Electricity and Magnetism", J.C. Maxwell made a claim on the number of non-degenerate equilibrium points of the electrostatic field created by stationary point charges. Later, J.J. Thomson in 1891 while proof-reading the third edition of Maxwell's book commented on this claim as `I have not been able to find any place where this result is proved.' In 2007, a paper by A. Gabrielov, D. Novikov and B. Shapiro revisited this problem and call his unproved claim the Maxwell's conjecture. In this talk, I will introduce this conjecture, present current progress, and talk about some tools from real and computational algebraic geometry in dealing with this conjecture.

\*歡迎參加,敬請張貼\* http://www.math.nthu.edu.tw